





USER MANUAL

Contents

1	Introduction	1
	1.1 Summary	1
	1.2 Software Architecture	1
	1.3 System Components	1
	1.3.1 System	1
	1.3.2 Front-end Access	2
	1.3.3 Monitoring	2
2	Hardware installation:	2
	2.1 OC-MS-XL(1U) HW Installation:	2
	2.2 OC-MS-M(DT) / OC-MSCL-S(DT) HW Installation :	2
3	Install and Uninstall the Software	3
	3.1 Built-In Server/Client Software	3
	3.2 Install additional clients (Optional)	3
	3.3 Uninstall Additional Clients	3
4	Login	3
	4.1 Login	3
	4.2 Main Menu Interface Introduction	4
5	Device Management	5
	5.1 Encoding Device	5
	5.1.1 Adding Encoding Device	6
	5.1.1.1 Quickly Add	6
	5.1.1.2 Manually Add	6
	5.1.1.3 Auto Report	7
	5.1.2 Modify or Delete Device	7
	5.1.3 Device Setting	7
	5.1.4 Area Setting	8
	5.2 Channel Group Setting	8
	5.3 Media Transfer Server	8
	5.3.1 Adding a Media Transfer Server	8
	5.4 Storage Server	9
	5.4.1 Storage Server	9
6	Home	10
	6.1 Default View:	10
	6.2 Smart View	10
	6.3 Smart Site	11
7	Live View	11
	7.1 Live View	11
	7.1.1 View Mode Setting	13
	7.1.2 Monitoring Point View	13
	7.1.3 Channel Group View	14
	7.1.4 Plan View	15
	7.2 View Control	15
	7.3 Snapshot	16
	7.3.1 Snapshot	16
	7.3.2 Snapshot Setting	16
	7.4 Multi-Screen View	17
	7.5 Device Talkback + Channel Talkback	17
	7.6 PTZ Control	18
8	Playback & Backup	18

	8.1	Recor	d Configuration	18
		8.1.1	Manual Recording	18
		8.1.2	Schedule Recording	18
		8.1.3	Alarm Linkage Recording	19
	8.2	Recor	d Playback	19
		8.2.1	Instant Playback	21
		8.2.2	Synchronous Playback	22
		8.2.3	Asynchronous Playback	22
		8.2.4	Playback by Time Slice	22
		8.2.5	Playback by Event	23
		8.2.6	Playback by Tag	23
	8.3	Backu	ıp	23
	8.4	Search	h Picture	24
9	A	larm M	lanagement	24
	9.1	Alarm	a Server Configuration	24
		9.1.1	View Alarm Server Status	24
		9.1.2	Alarm Configuration	24
		9.1.3	Alarm View	25
		9.1.4	Alarm Log	25
	9.2	E-Ma	p Settings	25
		9.2.1	Create E-Map	25
		9.2.2	Add Video Point and sensors	26
		9.2.3	E-Map Monitoring	26
10	Т	V Wall	(and Decoders)	27
	10.1	Add 7	TV Wall Server	27
	10.2	TV W	Vall Management	27
		10.2.1	TV Wall Settings	
		10.2.2	TV Wall View	29
		10.2.3	Decoder Input	
		10.2.4	Playback	34
		10.2.5	Task Setting of TV Wall	35
		10.2.6	TV Wall System Setting	36
	10.3	Decod	ler (DEC-0104(1U))	36
		10.3.1	Configure DEC-0104(1U) Decoder	36
		10.3.2	Add a DEC-0104(1U) Decoder	37
		10.3.3	Bind a DEC-0104(1U) Decoder to a TV Wall	37
11	Α	ccount	and Permission	
	11.1	Create	e Account	
	11.2	User I	Permission Settings	39
12	0	peratio	n and Maintenance Management	
	12.1	Check	and Export Log	39
	12.2	Backu	p and Restore Configuration	40
	12.3	Viewi	ng Online Status	40
	12.4	Viewi	ng Status Log	40
13	L	ocal Co	nfiguration	41
		13.1.1	System Startup and Maintenance	41
		13.1.2	Overload Settings	41
		13.1.3	Alarm View Settings	41
		13.1.4	Network Config	42
		13.1.5	Server Port Config	42
		13.1.6	System Configuration	43

	13.1.7 Audio Uploading	43
14	Analytics Server Management	44
	14.1 Face Recognition	44
	14.1.1 Face Database Management	44
	14.1.2 Real-Time View	45
	14.1.3 Search By Face	47
	14.1.4 Search	47
	14.1.5 Face Database Management	48
	14.1.6 Configuration	48
	14.1.6.1 Task (No configuration available)	48
	14.1.6.2 Link camera to Sub-screen	48
	14.1.6.3 Face Detection Algorithm Setting	48
	14.2 Face Greeting	49
	14.3 Face Attendance	50
	14.3.1 Staff Management	50
	14.3.2 Task (Camera Assignment)	50
	14.3.3 Working Day Settings	51
	14.3.3.1 Resic Configuration	51
	14.3.3.2 Attendance Period	
	14.3.3.2 Attendance Shift	
	14.3.3.4 Dersonnal Scheduling	
	14.3.3.4 Fersonner Scheduning	
	14.3.3.5 Attendence Deart	
	14.5.5.0 Altendance Record:	
	14.4 People Counting	
	14.4.2 Dual time Statistics	
	14.4.2 Keal-time Statistics	
	14.4.3 Heat Analysis	
	14.4.4 Statistics Report	
	14.4.5 Occupancy Control	
15	LPR Monitoring	59
	15.1 System Settings	59
	15.2 Vehicle Monitoring	60
	15.3 Vehicle Management	60
	15.4 Search	61
	15.5 Blacklist Vehicle	61
16	Temperature Measurement (Not Applicable for DT-MSCL-S(DT))	62
	16.1 Task Management	62
	16.2 Live Preview	63
	16.3 Event Handling	63
	16.4 Search	64
	16.5 Statistics	64
17	Server / Client Modes (OC-MSCL-S(DT) Model Only)	65
18	Management Web-Client	65
19	Operational Web-Client (OC-MS-CL(1U) Server Only)	66
	19.1 Operating Environment of Web Client	66
	19.2 Start IE Client	66
20	Mobile APP Surveillance	67
	20.1 Live	68
	20.2 Remote Playback	69
	20.3 Alarm Information	70
21	Troubleshooting	70

1 Introduction

1.1 Summary

Ossia VMS Enterprise is a newly integrated security management platform released by our company, seamless access to all products of our products and encoding devices of the famous manufacturers in the industry (like Hikvision, Dahua, etc.). With the powerful capability of video surveillance management, real-time preview, record storage, record playback, record download, alarm linkage, decoding on TV Wall, keyboard control, vehicle entrance and exit management as well as intelligent analytics are supported. Moreover, a multi-subsystem of the third party in the security surveillance industry can be accessed to this platform, such as an alarm system, access control system, dynamic environment monitoring system, visual talk-back system, one-key alarm system, e-fence and so on. Additionally, due to its open system architecture, its SDK/OCX can be provided to the third party for secondary development. Therefore, Ossia VMS Enterprise can meet the client's demands of centralized multi-subsystem management and multi-business convergence and can be widely used in the video surveillance of industrial park, education, banking, chain stores, and buildings.

1.2 Software Architecture



1.3 System Components

1.3.1 System



1.3.2 Front-end Access

- Front-end devices include IPC, DVR and NVR.
- You need to connect monitor devices such as IPC, DVR, and NVR to the internet through hubs or routers accessed by network cables (less than 100 meters) or optical fiber.
- Run monitor client through a local PC to configure the local video monitor, monitor devices and so on.

1.3.3 Monitoring

- Background monitors include TV Wall Client, Configuration Management Center and Monitor Client.
- You can set up the real-time image of display devices, these display devices including TV-Wall (decoding images to show on the TV-Wall through video decoder), digital display screen and so on.
- Run monitor client through local PC to view, playback and remotely configure and manage the real-time video of front-end monitor devices.

2 Hardware installation:

The Ossia VMS HW servers are extremely simple to install. As easy as plug and play. If you are still not sure how to install it properly, please follow the quick guide below:

2.1 OC-MS-XL(1U) HW Installation:

The OC-MS-XL(1U) is designed to be installed inside a network rack. Install it properly before connecting the required cables and connectors as illustrated below.



2.2 OC-MS-M(DT) / OC-MSCL-S(DT) HW Installation:

The OC-MS-M(DT) / OC-MSCL-S(DT) are designed for desktop installation. Install it properly before connecting the required cables and connectors as illustrated below.



3 Install and Uninstall the Software

3.1 Built-In Server/Client Software

The server already comes pre-installed with all the required software (Server and Client). No further installation needs to take place. Just turn on the device.

3.2 Install additional clients (Optional)

The server is already preinstalled with a client. Nonetheless, if additional clients are needed, please follow the following steps: The recommended 64-bit hardware configurations are as follows.

No.	Ossia VMS components	Recommended Hardware	Recommended OS	Maximum No. of Clients
1	Monitor Client-64bit	Processor: Intel(R) Core (TM)i5-64002.70GHz or aboveRAM: 16GB DDR3GPU: Intel HD Graphics 530 2GB or above/NVIDIA GeForce GTX 1060 6GB or aboveHDD: 500GB SATANetwork: Gigabit NIC	Windows 10 64bit Professional	OC-MS-XL(1U) – 256 Max OC-MS-M(DT) – 8 Max OC-MSCL-S(DT) – 1 Max

1. Double click "Ossia VMS Client setup.exe" and then select the UI language as needed.

2. A tip will pop up to suggesting that you close the antivirus software.

3. Click "I accept the terms of the license agreement" and then click [Next].

4. Click [Browse] to select the installation location and then click [Next].

5. Check "Launch Software" as needed and then click [Finish]".

3.3 Uninstall Additional Clients

If the new version needs to be installed or there is no need to use this software, this software can be uninstalled. It is strongly recommended

to back up the configuration data before installing the new version of Ossia VMS.

The uninstallation steps of the Server are similar to the uninstallation of the client.

Click "Start" → All Programs → Ossia VMS Server → Uninstall to pop up the following wizard. Click "Yes" to confirm.

Then click the "Finish" button to completely uninstall Authentication Server.

Repeat these stages for the Ossia Client if required.

4 Login

4.1 Login

- 1. The server services and client will automatically run with the system upon normal bootup.
- 2. Upon first startup, the system will ask you to input password restore question/answers. Please do so to ensure the integrity of your system. Restoring the password without restore question/answer will require resetting the database.

	Create Security Questions / Answers	
Question:		
Answer:		
Question:		
Answer:		
Question:		
Answer:		
	OK Skip	

4.2 Main Menu Interface Introduction

PROVISION <mark>ISR</mark> Ossia CMS		A Home Resource	🔀 Management	Live View1 Playback & Backup]		View 1 tem Settings Help) – a x
	Live View			Playback & Backup	E-Ma	ιÞ		
	Live View Alar	rm View E-Map Monitoring	₿,	Playback By Time Slice By Event By Tag Backup Search Picture Record Setting Schedule Setting	E-Ma	p Settings		
	TV Wall Manag	gement		Resource Management	Acco	unt and Permission		
	TV Wall Settings	s TV Wall View TV Wall System Settings	*	Add, Edit or Delete Device Device Settings Area Settings Channel Group Settings	User	Account Settings Permission Group Settings		
🗹 Device Alarm 🛛 Channel A	larm 🗹 Sensor Alarm 🗹 Offli	ine Alarm 🛛 Server Alarm					Unhandled Alarm Nu	ımber:1 🛛 💝
Alarm Time	Alarm Resource A	larm Type Playback Device	Pl Snapsl	not Device C Alarm Pr Handling	Disposition Remark			
							0	
			Authentic	ation Server Address: 127.0.0.1 Port	: 6003 User Nam	e: admin CPU: 30% Memo	ry: 64% 2020-08-16 11:18	3:16 🧕

There are five parts to the main menu interface. The descriptions of each part are as shown below.

No.	Description	No.	Description
1	Menu Bar	4	Alarm Information Bar
2	Window/Function Bar	5	Status Bar
3	Work Areas		

Menu Bar (1):

Menu	Description		
View	"Live View", "Edit live view", "Change to default view", "Change to SmartView", "Change to SmartSite"		
System	Including "Live View", "Playback & Backup", "E-Map", "TV Wall Management", "Resource Management", "Account and Permission", "Alarm Center", "LPR Monitoring", "Face Recognition", "Face Greeting", "Face Attendance", "People Counting", "Operation and Maintenance Management", "Local Configuration", "Temperature Measurement**"		
Help	Including "Register" and "About Ossia VMS", "Clear cache memory"		

** Temperature Measurement Module is not available in OC-MSCL-S(DT) as Server.

Window/Function Bar (2):

Shows all the windows that are currently active/working. All tabs can be closed except home. Through "Home" you can access any other function.

Functional area. Click O to view more menus.

Menu	Description
Live View	To view live images and to record, snapshot and talk, etc.
Playback & Backup	To remotely play the local records or back up records.

E-Map	To manage and display maps, hot spots, etc.
TV Wall Management	To set a TV wall and decoding videos on TV Walls
Resource Management	To add, modify or delete areas, devices or servers.
Account and Permission	To add, modify or delete a user account and set permissions for these accounts.
Alarm Center	To set alarm linkage and schedule; To search alarm logs.
LPR Monitoring	Manage and monitor LPR camera on site
Face Recognition	To recognize, compare or search face.
Face Greeting	To welcome visitors based on face recognition technology
Face Attendance	To help to manage staff attendance based on face recognition technology
People Counting	To monitor and analyze people flow in real-time
Operation and Maintenance Management	To search, export and maintain logs.
Temperature Measurement	Monitor EC-001 device for body temperature and face mask (Not available in OC-MSCL-S(DT as Server)
Local Configuration	To set record path, snapshot path, system startup and maintenance, overload and alarm view.

Other buttons:

Button	Description
×	Click to exit the software.
+	Click it to add a live view page.
	When the tab pages exceed the applicable numbers, this icon will display. Click it to view the hidden tabs.
	Shutdown or reboot the device

5 Device Management

5.1 Encoding Device

Encoding device are all the possible video encoding devices (IPC / NVR / DVR).

Under this section you will find the following controls:

Button	Description
Add	Add a new encoding device
Delete	Delete an encoding device
Select Area	Select the area which will contain the encoding device.
Select Transfer Server	Select the transfer server for the encoding device
Select Storage Server	Select the transfer server for the recording device
Batch IPC Upgrade	Update IPC from the same type (same IPC FW)
Batch Upgrade for ALPR Camera	Update LPR Camera from the same type (same IPC FW)
Select SOP	Select SOP (Standard operating procedure) for the encoding device
Export	Export the encoding device list

5.1.1 Adding Encoding Device

Adding a device can be done in various methods as described below:

In the main menu interface, click "Add, Edit or Delete Device" to go to the following interface as shown below.

Add, Edit or Delete Device Device Settings Area Settings Channel Group Settings																
Add	Delete	Select Area	Select Tra	ansfer Server	Select S	torage Servei	Batch II	PC Upgrade	Batch U	pgrade for A	LPR Camera	Select SC	P	Se		
-	Edit	Douico N	Turne	Channel	Alorm In	Alarm O	ID Addro	Dort	Coloct Area	Coloct Tr	Coloct Ct	Online St	Model	Varian	HDD Stat	Alarm
	Euit	Device N	Type	Channel	Alann In	Alami O	IF Addre	FUIL	Select Area	Select IT	select st	Online St	wouer	version	HDD Stat	Alann
	Settings Add	Settings Area Sett Add Delete Edit	Settings Area Settings Chann Add Delete Select Area Edit Device N	Settings Area Settings Channel Group Se Add Delete Select Area Select Tra Edit Device N Type	Settings Area Settings Channel Group Settings Add Delete Select Area Select Transfer Server Edit Device N Type Channel	Settings Area Settings Channel Group Settings Add Delete Select Area Select Transfer Server Select S Edit Device N Type Channel Alarm In	Settings Area Settings Channel Group Settings Add Delete Select Area Select Transfer Server Edit Device N Type Channel Alarm In Alarm O	Settings Area Settings Channel Group Settings Add Delete Select Area Select Transfer Server Select Storage Server Batch II Edit Device N Type Channel Alarm In Alarm O IP Addre	Settings Area Settings Channel Group Settings Add Delete Select Area Select Transfer Server Select Storage Server Batch IPC Upgrade Edit Device N Type Channel Alarm In Alarm O IP Addre Port	Settings Area Settings Channel Group Settings Add Delete Select Area Select Transfer Server Select Storage Server Batch IPC Upgrade Batch U Edit Device N Type Channel Alarm In Alarm O IP Addre Port Select Area	Settings Channel Group Settings Add Delete Select Area Select Transfer Server Select Storage Server Batch IPC Upgrade Batch Upgrade for A Edit Device N Type Channel Alarm In Alarm O IP Addre Port Select Area Select Tr	Settings Area Settings Channel Group Settings Add Delete Select Area Select Transfer Server Select Storage Server Batch IPC Upgrade Batch Upgrade for ALPR Camera Edit Device N Type Channel Alarm In Alarm O IP Addre Port Select Area Select Tr Select St	Settings Channel Group Settings Add Delete Select Area Select Transfer Server Select Storage Server Batch IPC Upgrade Batch Upgrade for ALPR Camera Select SC Edit Device N Type Channel Alarm In Alarm O IP Addre Port Select Area Select St Online St	Settings Area Settings Channel Group Settings Select Iransfer Server Select Storage Server Batch IPC Upgrade Batch Upgrade for ALPR Camera Select SOP Image: Setting	Settings Area Settings Channel Group Settings Add Delete Select Area Select Transfer Server Select Storage Server Batch IPC Upgrade Batch Upgrade for ALPR Camera Select SOP Select SoP	Settings Channel Group Settings Select Transfer Server Select Strage Server Batch IPC Upgrade Batch Upgrade for ALPR Camera Select SOP Select

Click [Add] as shown below.

		Add Encodin	g Device					×
Quickly #	Add Manually Add Auto Report				De	vice Quantity:3	6 Refrest	۱
					Subnet Mask			Î
•	Office DDA	192.168.0.126		9008	255.255.255.0	Provision ISR	5.0.1.0	0
•	18-340IP5MVF+	192.168.0.210		9008	255.255.255.0	Provision ISR	4.2.1.0	
•	Device Name	192.168.0.117		6036	255.255.255.0	Provision ISR	1.4.5	
•	Device Name	192.168.0.249		6036	255.255.255.0	Provision ISR	1.4.3	
•	NVR_TECH_ROOM	192.168.0.64		6036	255.255.255.0	Provision ISR	1.4.5	
•	NVR Israel	192.168.0.252		6004	255.255.255.0	Provision ISR	1.4.4	
•	5MP Dark-Sight Indo	192.168.0.60		9008	255.255.255.0	Provision ISR	3.4.2	
•	2nd Floor	192.168.0.231		9008	255.255.255.0	Provision ISR	4.3.0.0	7·~
	Select Transfer Server Transfe Select Area 🙆 def	er Server 🗸 🗸	Sele	ct Storage Se Create A	rver Storage Se rea 🔳 Automa Default pas	erver v tically Link Area sword OK) Cancel	``````````````````````````````````````

5.1.1.1 Quickly Add

Click [Refresh] to quickly search devices in the same local network as shown below. Check the device and allocate the transfer server, storage server, area for it. After that, click [OK].

Note: * The default media transfer server and storage server can be selected when adding devices. Users can also create a new media transfer server and storage server in advance (see Add Media Transfer Server and Add Storage Server).

* Area must be set up before adding devices. Click [Add Area] to create an area (See Area Setting).

5.1.1.2 Manually Add

	Add Encoding	Device				×
Quickly Add Manually Add Auto Report						
IP Address/IP Range/Domain Name/Serial No./URL						
IP Address:192.168.0.252	Provision ISR	6004	admin	•••••	Test	Ū
IP Address:0.0.0.0	Provision ISR	6036	admin	•••••		
				<u>.</u>		
Select Transfer Server Transfer	Server	Select SI	torage Server	Storage Serve	r 🗸	
Select Area	ult area		Create Area	Automatical	lly Link Area	
				Default passwo	ord OK	Cancel

① Enter IP address/IP range/domain name/ serial number (P2P), username and password and choose protocol type.

- (2) Click [Test] to test whether the device is connected successfully or not.
- ③ Select transfer server, storage server, and area and then click [OK].

Devices can be added in batch by adding IP range.



Ossia VMS Enterprise User Manual

5.1.1.3 Auto Report

Select the "Auto Report" Tab to see the following interface.

Auto Report is used to save time and resources. Instead of the Ossia VMS to connect to the device (Requiring IP address & port forwarding each one of the devices), the devices will connect to the Ossia VMS. For that you need to set a fixed IP or DDNS to the Ossia VMS server and set port forwarding to port 2009 (By default), or any configured auto report port to the Ossia VMS server address.



- ① Enter the device ID set in the DVR/NVR or IP camera and choose the protocol.
- If the DVR/NVR is needed to add, please go to the Network→Platform Access interface of the DVR/NVR. Check "Enable", enter the IP address and port (default 2009) of the Ossia VMS and then set the device number of the DVR/NVR.
- If the IP camera is needed to add, please go to Network Configuration→Server Configuration of the IP camera. Check "Do you want IP camera to connect Server", enter the IP address and port (default 2009) of the Ossia VMS and then set the device number of the IP camera.
- ② Select the transfer server, storage server, area and then click [OK].

5.1.2 Modify or Delete Device

After devices are added successfully, they will be listed below.

	Device Name		Channel	Alarm In N	Alarm Out			Select Area		Select Storage S	Online St	
•	NVR Israel	Provision ISF	R 15	16	12	192.168.0.252	6004	default area	Transfer Server	Storage Server	Online	NVR8-16
	Mode	el		Version		HDD Stat	Alarm St	Open in	SOP Settings	Delete		
	NVR8-1640	00F(1U) 1.	4.4.40032B20	0808.N4I.U2(1	6A820).beta.P	• 🗛	6			Ū		

The device channel number, alarm status, online status, and record status can be viewed from the above table.

Click to modify the IP address, port and so on. Click to delete the added device. Check the devices and click [Delete] to delete devices in bulk.

5.1.3 Device Setting

Go to Home \rightarrow Device Setting interface as shown below. In this interface, the parameters of the device can be set up.



Different devices have different menus. Please configure the device according to the corresponding user manual.

5.1.4 Area Setting

The area settings are used so that you will be able to build a "tree" of devices and areas (For example World \rightarrow Israel \rightarrow Tel-Aviv \rightarrow Rabin High-School). The user permission will be associated with these areas.

Go to Home \rightarrow Area Setting interface as shown below.

Add, Edit or Delete I	Device Dev	ice Settings	Area Settin	gs Channel Group Settings	-	Crea	ate Area	×
Add Delete All	Empty Area				Parent Are	ea		
Area Name	Channel							
🔓 Check	0		Ū		Area Nam	ne		
🔺 🏠 default area	15							
🏠 Test			Ū			ОК	Cance	el

Click [Add] to go to Area adding interface. Enter area name to create parent area. Then click [OK] to save the settings. To create sub-area, click [Add], choose the parent area, enter the area name and click [OK].

Click to modify area; click to delete an area.

5.2 Channel Group Setting

Go to Home \rightarrow Channel Group Setting interface as shown below.

- 1 Click [Add].
- (2) Enter a channel group name, channel group and dwell time.
- ③ Select the parent channel group.
- ④ Add channels to the channel group. Check the desired channels and click ≥ to add channels; choose the selected channel and click ≤ to remove those channels; Click ≥ to add all channels; click ≤ to remove all selected channels. You can also enter the keywords to search the channels and then select them.
- (5) Click [Ok] to save the settings.



Select the added channel group and click to modify the channel; click to delete the channel.

5.3 Media Transfer Server

The media transfer server is in charge of the video signal reception of the front-end devices (like IPC) and transfers the signal to the client to view or to the storage server to record. The command of viewing the video of the front-end devices sent by the client or storage server is transferred by the media transfer server to the front-end devices. By default, the server will auto configure a media transfer server on the local IP, so use this interface is adding a new server.

5.3.1 Adding a Media Transfer Server

Go to Home \rightarrow Add, Edit or Delete Device \rightarrow Media Transfer Server.

Add, Edit or Delete Device	Device	Settings	Area Settings Cl	hannel Group	o Settings							
Device Type		Add	Delete							Search		
Encoding Device (Online/Total r	numbe	_	A									
Decoder (Online/Total number:	0/0)	-	Server Name	Device N	Channel	IP Address	Port	Client Co	Authentic	Edit	Delete	
Analytics Server (Online/Total n	umber:		Transfer Server		15	192.168.56.1	6006	Online	Online		ī	
Storage Server (Online/Total nu	mber:1											
Media Transfer Server (Online/T	「otal nเ											
Alarm Server (Online/Total num	ber:1/											
TV Wall Server (Online/Total nu	mber:1											

Click [Add] to go to the media transfer server addition interface. Users can quickly add or manually add media transfer servers. Select the "Quickly Add" tab and click [Refresh] to quickly search servers in the same local network. Check the desired servers and click [OK] to save the settings.

Select the "Manually Add" tab to go to the media transfer server adding interface. Enter the server name, IP address and port and click [OK] to save the settings.



Click to modify the media transfer server; click to delete the media transfer server

5.4 **Storage Server**

The storage server is in charge of the storage of record information, including the information of schedule record, record based on motion alarm, sensor alarm, smart detection alarm (like object removal detection, line crossing detection, etc.), responding to the search and playback of all storage data. By default, the server will auto configure a media transfer server on the local IP, so use this interface is adding a new server.

5.4.1 Storage Server

Go to Home \rightarrow Add, Edit or Delete Device \rightarrow Storage Server.

Add, Edit or Delete Device Device Settings Area Settings Channel Group Settings											
Device Type Add Delete Search											
Encoding Device (Online/Total nu Decoder (Online/Total number:0/0	mbe 0)	Server Name	Device N	Channel	IP Address	Port	Client Co	Authentic	Record P	Edit	Delete
Analytics Server (Online/Total nun	nber:	Storage Server		15	192.168.56.1	6009	Online	Online	:=		Ī
Storage Server (Online/Total num	ber:1										
Media Transfer Server (Online/Tot	tal ni										
Alarm Server (Online/Total numbe	er:1/										
TV Wall Server (Online/Total num	ber:1										

Click [Add] to go to the storage server adding interface. Users can quickly add or manually add storage servers.

Select the "Quickly Add" tab and click [Refresh] to quickly search servers in the same local network. Check the desired servers and click [OK] to save the settings.

Select the "Manually Add" tab to go to the storage server adding interface. Enter the server name, IP address and port and click [OK] to save the settings.

After the storage server is added, click to set record partition. In the record partition setting interface, select the disk and click [OK] to

Lo modify the storage server; click save the settings. Click to delete the storage server.

Note: When the remaining space is less than 14GB, the system will prompt you for the insufficient space.

6 Home



The user can choose the home interface appearance from the "View" menu.

6.1 Default View:

The default view contains all the menus and sub menus. It is very simple and intuitive.

Live View Live View Alarm View E-1	Map Monitoring Backup Sear Schedule Setti	Sackup / Time Slice By Event By Tag rch Picture Record Setting ing	E-Map E-Map Settings	
TV Wall Management TV Wall Settings TV Wall Vi TV Wall System Settings	ew Task Settings Add, Edit or De Area Settings	Inagement elete Device Device Settings Channel Group Settings	Account and Permission User Account Settings User Permission Group Settings	
Alarm Center Alarm Log Alarm Linkage Manual Alarm Out SOP Set	Schedule Setting titing Search Syste	ing ng. Vehicle Management em Settings Block List	Face Recognition Real-time View Search by Face Search Face Database Management Configuration Visitor Record	

6.2 Smart View

Smart View is oriented for AI analytics and will show the latest AI events and statistics.

PROVISION UR Ossia CMS	Home Resource Management	Live View1 Playback & Backup LPF	Monitoring		View S	ystem Settings Help 🗙
Vehicle Account 39 0 0 Vehicle entry Vehicle exit Check Vehicle Vehicle Pa	Face Count FACE OF A 8/11 rk Overtime Recognized/Unrecogniz	STATISTICS 8 8 ed Control Guest	8 Attendance	eople Count 0/0 Entrance: Person/Car E	DUNTING 0/0 Exit: Person/Car St	0/0 tay: Person/Car
Detection Stat MONITORING STATISTICS	2021-01-31 16:09:23 Name: Snap Device:EasyCheck_Entran Database: Similarity:Unrecognized	2021-01-31 16:09:19 Name: Snap Device:EasyCheck_Entran Database: Similarity:Unrecognized	2021-01-31 1 Name:ivgeny Snap Device:NVR Is Database: Similarity:100%	6:08:14 202 Srael_Main Pe Snap Devi Database: Similarit	eny ice:NVR Israel_Main Pa ty:100%	2021-01-3 2021-01-3 Name:Ami Name:Ami Snap Device:NVI Database: Similarity:100
0 1 1 1 1 1 1 1 1 1 1 1 1 1 2 2 2 2 24 0 2 4 6 8 10 12 14 16 18 20 22 24 Detection Time - Vehicle entry - Vehicle exit 50 40 -	2021-01-31 16:11:56 Vehicle ID: 4321829 Vehicle Color: Blue Vehicle Type: Small vehi Vehicle Logo:	cle 2021-01-31 16:11:5 Vehicle ID: 432182 Vehicle Color: Blue Vehicle Type: Smal Vehicle Logo:	6 19 I vehicle	2021-01-31 16:11:54 Vehicle ID: 4321829 Vehicle Color: Blue Vehicle Type: Small vehicle Vehicle Logo:	2021-01-3 Vehicle ID Vehicle Co Vehicle Ty Vehicle Lo	1 16:11:54 9: 4321829 Nor: Blue pe: Small vehicle go:
0 30 - 20 - 20 - 0 - 0 - 2 4 6 8 10 12 14 16 18 20 22 24 - Capture Time	2021-01-31 16:11:52 Vehicle ID: 4321829 Vehicle Color: Blue Vehicle Type: Small vehic Vehicle Logo:	cle	2 99 I vehicle	Vehicle ID: 4321829 Vehicle ID: 4321829 Vehicle Color: Blue Vehicle Type: Small vehicle Vehicle Logo:	2021-01-3 Vehicle ID Vehicle Co Vehicle Ty Vehicle Lo	1 16:11:51): 4321829 olor: Blue pe: Small vehicle go:

6.3 Smart Site

Smart View is oriented for Time Attendance and will show the status of employees on site.



7 Live View

7.1 Live View

Go to Home \rightarrow Live View interface as shown below.



The descriptions of the live view buttons are as follows.

1 4 -	9162536🔺 🔲 🔛 🕼		× Self-	adaptive Stream \smallsetminus		
	1 2 3 4 5	6 7	8 9	10		
NO.	Description	NO.	Descript	ion		
1	Standard Screen display modes	6	Alarm Output Selection			
2	Advanced Screen display modes	7	Show analytics ROI			
3	Full screen	8	Close all channel view			
4	Enable/disable OSD	9	Save the current view mode			
5	Audio Broadcast	10	Choose channel stream			

Channel stream: main stream, sub-stream, third stream, and the self-adaptive stream can be optional. When the third stream is selected, the system will automatically switch to sub stream if the channel/camera doesn't support the third stream.

Toolbar on the display window:

Button	Description	Button	Description
R	Close image	Q	Zoom in
0	Start/stop recording	Ø	Zoom out
	Enable/disable audio	(I)	Fit to window
Ó	Snapshot	ę	Enable/disable talkback with Device
<u> </u>	PTZ control	₽	Enable/disable talkback with Channel
۲	Monitoring point setting (camera setting)	0	Fish-Eye View (Not Supported in DT Server)
Ø	3D zoom in		

Right-click button function:

Menu	Description	Menu	Description
4:3	Set the video channel to 4:3 Display	Fisheye	Set Fisheye mode
16:9	Set the video channel to 16:9 Display	PTZ Control	Click it to show PTZ control panel
Original Size	Set the video channel to original native Display	Start Device Talkback	Enable/disable talkback with the device
Full Screen	Play the channel in full screen	Start Channel Talkback	Enable/disable talkback with the channel
Close Channel	Close image	Main Stream	Play in Main Stream
Start Local Record	Start/stop recording	Sub Stream	Play in Sub Stream
Instant Playback	Click it to playback immediately	Channel Info.	Display channel name, IP address and the current stream
Enable Audio	Enable/disable audio	Full Screen	Display image in full screen
Snapshot	Capture images		

4:3/16:9/Original Size/Full Screen: screen display proportion; please select it as needed.

7.1.1 View Mode Setting

Users can select the common display mode and self-define the display mode through the buttons on the toolbar.

To customize the display mode

(1) Click \frown on the toolbar.



② Enter a screen display name and select the display row and column. Hold the left mouse button and drag on the screen and then click [Merge] to merge the screens.

- ③ Click [Save] to save the settings.
- (4) Click [Create] to create a new display screen mode. Click [Save All] to save all customized screen display modes.

7.1.2 Monitoring Point View

• Start View

To start a live view, please drag cameras from the list to the right display window or select a window and then double click the camera. The image can be dragged to any window at random.



- Stop View
- 1 Place the cursor on the live view window to display the menu toolbar and then click \bigcirc to stop viewing.
- 2 Right-click on the live view window and then select "Close Channel" to stop viewing.
- 3 Click on the toolbar of the live view interface to stop all live view.

7.1.3 Channel Group View

• Start Channel Group View

After the channel group is set successfully (See Channel Group Setting), go to live view interface as shown below.



You can start the channel group view as follows.

1. Choose the screen display mode according to the channel number of the channel group. Select a window and then double click the channel group name or dragging the channel group to a window to play all channels in the group.

2. In the current screen display mode, select a window and then click 🙆 beside the channel group name to play all channels of the channel group in this window in sequence.

- Stop Channel Group View
- (1) Place the cursor on the auto-switch window and then click \bigcirc to stop viewing.
- (2) Right-click the auto-switch window and then click "Close Channel" to stop viewing.
- ③ Click 🖾 on the toolbar of the live view interface to stop all live view.



7.1.4 Plan View

In the live view interface, select "View" on the left menu bar.

	Video Point
	Channel Group
PROVISION <mark>ISR</mark>	View
Ossia CMS	Home Live View1* Live View1*
Video Point	🏭 Liv Create View
Channel Group	- # Liv Save View
View	
Live View1*	Modify View
🏭 Live View2	
III Live View3	Delete View
🖦 🗰 Live View4	

• Add View Plan:

① Right-click "Live View 1" and then select "Create View" or click 🛄 to add a new view plan. Clicking "Create View" to prompt an adding view window. Enter the view name and click [OK] to set the view plan.

2 Select screen display mode and then drag monitoring points or channel groups to each window.

③ Click "View" on the left menu and then right-click the newly added view name. Select "Save View" on the pop-up menu to save the

view plan or click on the live view interface to save the view plan. Double click view name to call the view plan.

• Modify or Delete View Plan

Select the added view and then right-click to prompt a pop-up window. Select "Modify View" or "Delete View" to modify or delete the view plan.

7.2 View Control

• Multi-screen Display

In the live view interface, the screen display mode can be selected as shown aside.

• Full-Screen Display

In the live view interface, click button on the toolbar or right click on the mouse to select "Full Screen" to display the window in full-screen mode. Right-click on the mouse to select "Exit Full Screen" on the full-screen interface to exit the full screen.

• Single Channel Display

Double click a window to view in single-channel mode. Double click the window again to recover the window.

Audio Broadcast

Click (I) to bring an audio broadcast box as shown below. The left device list shows the devices that support audio broadcasts. Check the device and click [Add] to add the desired broadcast device.

Click [Start Broadcast] and then all added devices will start the broadcast. Select the added device and click [Delete] to delete the device.



Audio Broadcast 🛛 🗙									
Device	Add	Remove	Closing the windo	Closing the window will stop the audio broa					
		Device and	Device Type		Delete				
	•	NVR Israel	Provision ISR	No Broadcast	Ū				
IP Channel	<			Ctart Broadcast	End Brook	>			
				Start Broadcast	End Broad	icast			
-9162536▲-		r (1) 🔒		Self-a	daptive Str	eam \			

• Batch Alarm output

Click \sqsubseteq to open the batch alarm output box as shown below.

The left device list shows the devices that support alarm output. Check the device and click "Trigger alarm out" or "Close alarm out" as required.

	Manual Alarm Out	×
Alarm Output		
Check	Trigger Alarm Out Close Alarr	n Out

• Stream Setting

Right-click on the live view window to choose a video stream or select a self-adaptive stream or other streams on the toolbar to set the stream for all channels.

To set streams

Go to Home→Device Setting. Select the device and click the "Stream Setting" tab to set streams.

Audio Control

Right-click on the live view window and then choose "Audio On" or click Son the toolbar of the window to enable audio. Note: Only one audio can be enabled at the same time. If the audio of one channel is enabled, the former audio will be disabled automatically.

• Zoom In or Out

In the live view interface, click on the live view window to zoom in the window and then drag the image to view the whole image; click to zoom out the image image.



7.3 Snapshot

7.3.1 Snapshot

Select a window in which the video is playing and then click **O** on the toolbar of this window or right click on the window and then select "Snapshot". The image number and storage path will be displayed.

Note: Only when the video is playing in the window, will the snapshot succeed.



7.3.2 Snapshot Setting

Go to Home→Local Configuration→Record and Snap Setting interface. In this interface, the snapshot path and number can be set up.

7.4 Multi-Screen View

In the live view interface, a multi-screen view can be realized by holding a tab and dragging it to other monitors (graphics card should support multi-screen output at the same time).



Click on the floating window and select "Return to Main Window" to embed this tab in the main interface.



7.5 Device Talkback + Channel Talkback

<u>Device Talkback:</u> In order to communicate with the operator next to the device, click **W** on the channel live view toolbar or select "Start Talkback" on the right click menu. This will play audio through the <u>DVR/NVR</u> audio output (Device must support 2-way audio)

<u>Channel Talkback:</u> In order to talk through the IPC audio out, click on the channel live view toolbar or select "Start Channel Talkback" right click menu. This will play audio through the IPC audio output (Device must support this feature)

Note: Since the software only allows enabling one device's talk at the same time, the system will stop talking with the current device if a new talk is enabled.



7.6 PTZ Control

Click **w** or right click and select "PTZ Control" to open the PTZ control interface. The movement of PTZ, zoom, focus, Iris, preset, track and cruise can be controlled through the PTZ control panel.

Entranez: hunan-63 car-0_bikc=0	16/08/2020	a 11242 A		PTZ ×
Exit : hunan-55.car 0-bike-0 Stay : hunan 8 car 0 bike 0	4:3		Movement	F A 4
Please wait	16:9	and the second sec	Control	
	Original Size		Control	
	✓ Full Screen		Zoom / Focus	-/++ zoom → +/++
	Close Channel		/ Iris control	▲ ← Focus → ▲
	Start Local Record	the met	, cared	
	Instant Playback		Speed	P1z speed slower ast
	Enable Audio	AT AN AN		Preset Cruise Track
	Snapshot		Preset /	No. Preset N Call
	PTZ Control		Cruise	
	Start Device Talkback		Control	
	Start Channel Talkhack		Control	

8 Playback & Backup

8.1 Record Configuration

This software supports many recording types, such as manual recording, schedule recording, motion alarm recording, smart alarm recording, etc.

Note: The small servers (OC-MSCL-S(DT) and OC-MS-M(DT)) must have an available storage servers in order to perform recording tasks. There is no internal storage dedicated for recording.

8.1.1 Manual Recording

In the live view interface, select a channel and then click 🔘 or right click to select "Start record" to start recording. Click this button again to stop recording.

Note: If a channel is recording, the recording will stop when the viewing window is closed.

8.1.2 Schedule Recording

Go to Home \rightarrow "Record-Setting".

Playback & Backup	Record Setting	Record Setting Schedule Setting								
Playback By Time Slice By Event I	Area Area		Channel Name		Record.					
Backup Search Picture Record Sett	search	Q	NVR Israel_2nd Floor	Main Stream 🗸	Off					
schedule setting	e default area		NVR Israel_Back Counting	Main Stream	Off					
			NVR Israel Back DDA	Sub Stream	Off					

To set schedule recording, select the channel, stream type, and schedule. Then click [Apply] to save the settings.

- To set schedule:
- ① Click the "Schedule Setting" tab to go to the following interface.



Record S	etting Sc	hedule Settir	ig				
Add Delete							
	Schedule						
	7*24		Ū				
	5*24						

- 2 Click [Add].
- ③ Enter the schedule name.
- ④ Set the schedule. Click and then move the cursor to select the time; click and then move the cursor to delete the selected time. Click "Input Manually" to manually enter the time. Click "All" or "Reverse" to quickly select the time. Click "Clear All" to clear all schedule.

						Add 9	Schedul	e					×
Schedu	leName							🗌 💋 🧭	Input	Manuall	/ Select	All Invert	Clear All
Sun.	0	2	4	6	8	10	12	14	16	18	20	22	24
									Inpu	it Manual	ly Select	All Inver	t Clear Al
Mon.	0	2	4	6	8	10	12	14	16	18	20	22	24
									Inpu	it Manual	ly Select	All Inver	t Clear Al
Tue.	0	2	4	6	8	10	12	14	16	18	20	22	24
									Inpu	it Manual	ly Select	All Inver	t Clear Al
Wed.	0	2	4	6	8	10	12	14	16	18	20	22	24
									Inpu	it Manual	ly Select	All Inver	t Clear Al
Thu.	0	2	4	6	8	10	12	14	16	18	20	22	24
									Inpu	it Manual	ly Select	All Inver	t Clear Al
Fri.	0	2	4	6	8	10	12	14	16	18	20	22	24
									Inpu	it Manual	ly Select	All Inver	t Clear Al
Sat.	0	2	4	6	8	10	12	14	16	18	20	22	24
									Inpu	it Manual	ly Select	All Inver	t Clear Al
				ОК					Cance	el			

8.1.3 Alarm Linkage Recording

- (1) Go to Home \rightarrow Device Setting interface. Select the desired device to enable and set schedules.
- (2) Go to Home \rightarrow Alarm Center \rightarrow Alarm Linkage as shown below. Select alarm type, enable record, set linkage channel and set schedules.
- ③ Click [Apply] to save the settings.

Alarm Log Alarm Linkage Schedule Setting Manual Alarm Out SOP Setting										
Area	Alarm Type Channel-Motion De	tection	_	All On Al	ll Off Res	et Appl	/		Filter	
Search C	Name	Audio	PTZ Control	Record	Y Alarm View 😽	Snapshot	Alarm Output	Voice Broa	TV Wall	Schedule 🗸
default area	NVR Israel_2nd Floor	✓ Off	Off	Off	Off	Off	Off	Off	Off	Off
	NVR Israel_Back Counting	✓ Off	Off	Off	Off	Off	Off	Off	Off	Off
	NVR Israel_Back DDA	√ Off	Off	Off	Off	Off	Off	Off	Off	Off

8.2 Record Playback

In the main menu interface, click "Record Playback" to go to the record playback interface. Record files saved on the HDD/ SD card of the devices and storage server can be played.

There are two types of record playback: synchronous playback and asynchronous playback.



Area Description

Area	Description	Area	Description
1	Playback area	4	Additional Controls
2	Toolbar	5	Time and event search area; resource area
3	Record timetable area		

Toolbar on Playback Window (1):

Button	Description	Button	Description
R	Stop viewing	Ð	Zoom in
	Audio on/off	Ø	Zoom out
Ó	Snapshot	0	Fit to window

Button Descriptions of Area 2 (2):

Button	Description
1 -4 -9 -16-	Screen display mode button. 1/4/9/16 screen mode is optional.
	Full screen
OSD ON	Enable or disable OSD
×	Close all window viewing
	Get a record from network devices
Þ	Get a record from storage servers
	Rewind
•	Low-speed playback
	Stop
	Play/Pause
	Next frame. In the playback mode, click the pause button and then click this button to play frame by frame.
►	Click it to select playback speed.
	Forward 30s or backward 30s
>	Backup start time
*	Backup end time
.	Start backup
	Synchronous playback or asynchronous playback

Right-click button menu (5)

Menu	Description	Menu	Description
Close	Close viewing	Zoom out	Zoom out the current image
Audio On/Off	Audio on/off	Full Screen	Click to enter full-screen mode
Snapshot	Snapshot	Sub-stream	Switch to sub stream playing
Zoom In	Zoom in the current image		

Other buttons

B	Button	Description	Button	Description
	¥	Add tag		Event list
	G t	Backup		

Set record date, record type (for some devices, "Main Stream" can be selected to play the record, or the record will be played by sub-stream if unselected) and the record playback source in the playback interface. Drag the camera on the right side to playback window for playing or double click the desired channel to play or click [Search] to search the record files and then click to play.

Playback record type includes manual recording, motion detection recording, schedule recording, sensor recording, object removal recording, video exception recording, intrusion recording, and line crossing recording and so on.

In the timetable, different color bars stand for different record types. For instance, a yellow bar stands for motion recording data; blue bar stands for schedule recording data; red bar stands for sensor record data, etc.



The time scale can be zoomed in by clicking and the time scale can be zoomed out by clicking . The time scale can be restored to 24 hours by clicking . When the time scale is zoomed in, drag the timeline to see the time spots.

8.2.1 Instant Playback

In the live view interface, right click on a playing channel to select "Instant Playback" and then set the playback time to play the record instantly. Make sure to choose the location from which the playback should be streamed (Storage Server / Network Device)



8.2.2 Synchronous Playback

Synchronous Playback: in a certain time, all channels playback its record at the same time together; if one channel has no record data at this time, this channel will wait.

Click on the toolbar in the playback interface to go to the synchronous playback interface. Please play the record according to the ways introduced as above. The record bar in synchronous mode is as below.



In synchronous mode, one camera can only have one playing window. All cameras' record information can be viewed at the same time. When playing record files in synchronous mode or asynchronous mode, clicking is will be useless unless all the playback windows are closed.

8.2.3 Asynchronous Playback

Asynchronous Playback: when playing some channels' record at the same time, each channel is independent of the others and each channel's playback time is different.

Click to go to the asynchronous playback interface as shown below. Please play the record according to the ways introduced as the above. The record bar in asynchronous mode is as below.

\odot	04-11 00:00										04-12 ()
Window:	1				09:20:40						
Window					10:5	6:36					
Windows											
Window											
		Manual	Schedule	Video Analysis	Motion Detection	Sensor	Smart Event	People Counting	Behavior Analysis	Subsystem Zone	ACC ATT

8.2.4 Playback by Time Slice

- (1) Go to Home \rightarrow By Time Slice interface.
- 2 Select channel (or monitoring point), set the start time and the end time, select the record source and then click [Search].



③ Click L to play the record.

④ Click 💾 button on the top right corner to play in full-screen mode.

Double click the image to switch to slice search mode by day. In the above interface, click of switch to slice search mode by the hour.

Double click an image to switch to slice search mode by 5 minutes. Click it return to slice search mode by day;

In the above interface, click 🔘 to return to slice search mode by the hour.

Backup: In the Search by Time Slice interface, select a time slice and then click "Backup" to back up the record file during this period quickly.



8.2.5 Playback by Event

- (1) Go to Home \rightarrow By Event interface.
- ② Select the desired monitoring point, set the record source, the start time and the end time and then check events.

By Time Slice By Event By Ta	g Backup	Search Picture							
Video Point	Filter		Q Before th	ne event 0 Sec		 Tip2: Filte	r By [Name]	[Start Time]、	[End Time]、[Event Type]
Search Q	No.							Backup St	Backup on Device
Check (Online/Total num default area (Online/Total A Test (Online/Total nu	1	NVR Israel_2nd Floor	2020-08-16 13:45:10	2020-08-16 13:45:45	0:0:35	۲	۲	🗹 Main	۲
NVR Israel_2nd Floor		NVR Israel_2nd Floor	2020-08-16 13:45:09	2020-08-16 13:45:30	0:0:21	۲	۲	🗹 Main	۲
NVR Israel_FEI_360IP5 NVR Israel Face Atten		NVR Israel_2nd Floor	2020-08-16 13:43:54	2020-08-16 13:44:17	0:0:23	ightarrow	۲	🜌 Main	۲
NVR Israel_Front Cod NVR Israel_Front Door NVR Israel_B320LPR		NVR Israel_2nd Floor	2020-08-16 13:42:57	2020-08-16 13:43:32	0:0:35	ightarrow	۲	🗹 Main	۲
Start Time: 2020-08-16 00:00:00		NVR Israel_2nd Floor	2020-08-16 13:42:54	2020-08-16 13:43:14	0:0:20	ightarrow	۲	🗹 Main	•
End Time: 2020-08-16 23:59:59 () Search	☐ Manual ✓ Schedule	Video Analysis Image: Comparison of the second se	Sensor People (Smart Event Behavio	Counting 🛛 Face Recogr r Analysis	ition		Cı	irrent Page:1 /	12,Total 229 ┥ 📣 🕨

③ Click [Search]. The searched record data will be listed. Click 🕑 to play the record; click 💽 to back up the record data.

8.2.6 Playback by Tag

(1)Go to Home \rightarrow Record Playback interface.

- 2 Select a channel and put the cursor on the right-center. Then a tag icon () will appear. Click this icon to add a tag.
- (3) Go to Home \rightarrow By Tag interface. Select the start time and click [Refresh] to search the added tags.
- (4) Click () in the playback column to play the record.

8.3 Backup

In the main menu interface, click "Backup" to go to the backup interface. The setting steps are as follows:

- \bigcirc Select the desired monitoring point.
- 2 Select date and click "More" to select the start and the end time and event type.
- ③ Click Let to get records from the device or storage server.
- ④ Set the start time and the end time of backup. Then click [Backup].

5 The backup progress will be seen during backing up the record. Click 💷 to pause; click 📼 to stop backing up the record; click 🗐 to clear the backup list.

By Time Slice By Event By Ta	g I	Backı	ıp	Sear	ch Pic	ture																			
Video Point			A	lug 2	020		Þ																		
Search Q	Mon	Tue	Weo	d Thu	Fri	Sat	Sun																		â
 Check (Online/Total numbe default area (Online/Total n 	27	28	29	30	31	1	2																		
																									- 18
				13	14		16																		
																									- 18
	_			More	*			Start	Time 💈	2020-08-	-16 00:00):00	End T	ime 202	0-08-16 00	:00:00			Backu	ib [Backup	Path	Backup	on Dev	vice
													d Time												
																							▶ II	I I	i
Search	<																						<u> </u>		<u>ا د س</u>

8.4 Search Picture

In this interface, pictures stored on the SD card or storage server can be searched and viewed.

- ① Select the device.
- ② Set the start time and the end time.
- 3 Choose events.
- (4) Select search from network device or storage server.
- (5) Click [Search]

9 Alarm Management

9.1 Alarm Server Configuration

9.1.1 View Alarm Server Status

The alarm server is in charge of receiving and recording alarm information of connected devices and then sending the alarm information to the relevant user terminal system or devices in accordance with prior alarm settings. There is a default alarm server.

Go to Home \rightarrow Add, Edit or Delete Device \rightarrow Alarm Server interface to view the online status of the alarm server. If it is not online, please check its network connection.

Add, Edit or Delete Device Device	e Settings Area	Settings Chanr	nel Group S	ettings		
Device Type	Server Name	IP Address	Port	Client Co	Authentic	Edit
Encoding Device (Online/Total numbe	Alarm Server	192.168.56.1	6033	Online	Online	
Decoder (Online/Total number:0/0)						
Analytics Server (Online/Total number						
Storage Server (Online/Total number:1						
Media Transfer Server (Online/Total n						
Alarm Server (Online/Total number:1/						
TV Wall Server (Online/Total number:1						

Click for modify the added alarm server;

9.1.2 Alarm Configuration

(1) Go to Home \rightarrow Device Setting interface.

Select the desired device to enable alarms (refer to the user manual of the corresponding device for the detailed settings).

② Go to Home→Alarm Center→Alarm Linkage interface.

Alarm Log Alarm Linkage So	chedule Setting Manual Alarr	n Out SOP Setti	ng								
Area	Alarm Type Channel-Motion D	etection	_	All On A	ll Off Res	et Apply	/		Filter		
Search Q	Name										
B- default area	NVR Israel_2nd Floor	∨ Off	Off	Off	Off	Off	Off	Off	Off	Off	
	NVR Israel_Back Counting	✓ Off	Off	Off	Off	Off	Off	Off	Off	Off	
	NVR Israel_Back DDA	✓ Off	Off	Off	Off	Off	Off	Off	Off	Off	
	NVR Israel_DMA-390IP528	∨ Off	Off	Off	Off	Off	Off	Off	Off	Off	

Select area, alarm type and then enable alarm linkages.

All ON: enable all alarm linkages of the current alarm type and area (schedule excluded).

All OFF: disable all alarm linkages of the current alarm type and area (schedule excluded).

Select 🎽 beside the device name and select "ON" to enable all alarm linkages of the device (schedule excluded).

Name		~	PTZ Control	Record 🗸	Alarm View 🗸	Snapshot 🗸	Alarm Output 🗸	🖌 Voice Broa 🗸	TV Wall 🗸	Schedule 🗸
NVR Israel_2nd Floor	✓ Off	On	Off	Off	Off	Off	Off	Off	Off	Off
NVR Israel_Back Counting	✓ Off	Off	Off	Off	Off	Off	Off	Off	Off	Off

Select \searrow beside the title (like a record) to enable record linkage of all devices (schedule excluded). The alarm linkage settings of PTZ control, record, alarm view, snapshot, alarm output, and TV Wall are the same as each other. Here we will take record linkage for example to introduce the setting steps.

Check the selectable channel and click to select the channel; check the selected channel and click to remove this channel; click to select all channels; click to remove all selected channels.

After the channels are selected, check "On" and then click "OK" to save the settings.

③ Set an alarm schedule. Select the schedule of the desired device. 7*24 or 5*24 is the default schedule. Other schedules need to be set in advance. Click the "Schedule Setting" tab to set (See Schedule Recording \rightarrow To set schedule for details).

SnapshotLinkage Setting				×
Selectable Channel	Î		elected Channe	
🔺 🔲 default area		>		
NVR Israel_2n		<		
NVR Israel_Ba	l			
NVR Israel_Ba				
NVR Israel_D				
NVR Israel_FE		»		
NVR Israel_Fa		«		
	``			 >
On S Q Select Al	I Invert	Clear All	ОК	Cancel

9.1.3 Alarm View

Having set the alarm preview linkage, the alarm view window will prompt when an alarm is triggered.

🗹 Device Alarm 🗹 Cł	nannel Alarm 🛛 Sensor Alarm 🚽 G	Offline Alarm	Server Al	arm									Unhar	ndled Alarm Number:10	000 📎
Alarm Time				Device Pl			Alarm Pr								Î
2020-08-16 13:50:31															
2020-08-16 13:50:29															
2020-08-16 13:50:29															
2020-08-16 13:50:27															
2020-08-16 13:50:24															
				Au	uthentication	Server Add	ress: 127.0.0.	1 Po	rt: 6003	User Name:	admin	CPU: 3%	Memory: 61%	2020-08-16 13:50:33	

Click On the bottom right corner to expand the alarm list as shown above. Hover the mouse over the top of the alarm list and then a bidirectional arrow will appear. Drag the alarm list up or down to zoom in or out the alarm list.

Click \bigcirc or \bowtie to play the record or captured images; click \blacksquare to delete alarm information.

9.1.4 Alarm Log

Alarm logs can be searched and exported by going to Home→Alarm Center→Alarm Log interface.

Click to play the record; click to open the snapshot search window as shown below.

9.2 E-Map Settings

9.2.1 Create E-Map

Go to Home→E-Map interface. Click [Create Map] to create a map.

The map can be based on a static image file as a map or by a dynamic map based on Google Maps.

Maps also have hierarchy so you can create a tree of maps with different resolutions. Enter E-map name, select parent e-map and map type. Then click [OK] to save the settings.



9.2.2 Add Video Point and sensors

The maps can be populated with all the video points and sensors from the added systems. Choose "Video Points" or "Sensors" and drag the relevant video/sensor to the right location on the map.



If you wish to edit the name / shape / color of the icon, right click on it and select edit. Change the name, text color or icon of the desired spot.

In order to delete an added spot, right click on the icon and choose "Delete".



Click [Modify Map] to change the map name and parent map. Select [Delete Map] to delete the added map.

9.2.3 E-Map Monitoring

Go to Home→E-Map Monitoring interface. Select a window on the right and then double click the monitoring point to view the real-time image.



Alarm view: if you select "Yes", the monitoring video will automatically pop up on the right window when an alarm is triggered. You can filter the type of events that will be trigger an alarm by clicking on "Filter Alarm Type" and untick the unwanted alarm types. If required, you can "release" the video channels anchored to the right by clicking on "Released". Once released you can drag the video windows to any desired location:



If you want to return to the different view, click on "Anchored".

10 TV Wall (and Decoders)

10.1 Add TV Wall Server

Go to Home \rightarrow Add, Edit or Delete Device \rightarrow TV Wall Server interface as shown below.

Add, Edit or Delete Device	Device Settings	Area Settings C	hannel Group Setti	ings				
Device Type	Add	Delete						
Encoding Device (Online/Total number:	numbe	Server Name	IP Address	Port	Client Co	Authentic	Edit	Delete
Analytics Server (Online/Total n	umber:	TV Wall Server	192.168.56.1	6036	Online	Online		Ū
Storage Server (Online/Total nu	ımber:1							
Media Transfer Server (Online/1	Γotal nι							
Alarm Server (Online/Total num	ber:1/							
TV Wall Server (Online/Total nu	imber:1							

An adding TV Wall window will be prompted by clicking [Add]. Click [Refresh] to quickly add the TV wall server in the same local network, or add the TV wall server by manually entering the server name, IP address and port.

Click \square to modify the added server; click \square to delete the added server.

10.2 TV Wall Management

Go to Home \rightarrow TV Wall Management \rightarrow TV Wall Setting.



10.2.1 TV Wall Settings

♦ Create TV Wall

Go to Home \rightarrow TV Wall Management \rightarrow TV Wall Setting. Select a TV wall server and then click + to create a TV wall.



TV Wall Settings TV Wall View Task Settings TV Wall System Settings TV Wall Create TV Wall Server + Create TV Wall1(1) Imitialize Save 2 22 TV Wall Decoder Output

♦ Initializing

① Double click the created TV wall to prompt a TV wall window.

(2) Click "Initialize" to create TV wall layout. Each window in the layout represents a **screen**.

♦ Merging\Splitting

Merging: drag on the screen and then release. The "Merge" button will be shown. Click it to merger these small windows.

TV Wall Settings TV Wall View						TV Wall Settings TV Wall View	Task Settings TV Wall System Setting		
TV Wall	Create TV Walth 🔳					TV Wall	Create TV Wall1 🔳		
4 TV Well Server +	Initialize Save					4 TV Wel Server +	tritialize Save		
Decoder Output						Decoder Ostput			

Splitting: select the merged window and click "Split" to restore the window to the previous status.

The online decoder displayed in the decoder output list is the binding decoder of this TV wall. Drag the outputs to windows on the right in sequence and then click "Save" to save the settings.

TV W	/all Settings TV	Wall View	Task Settings TV Wall System Settings		
TV W	/all		Create TV Wall1 🔳		
⊿ TVW ⊑	all Server] Create TV Wall1(1)		Initialize Save		
	ider Output				Decoder
a 👝 D	lecoder				
-	Output1	R			
	Output2				
	Output3				
	Output4				
				Decoder	Decoder

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To modify the TV wall:

Click Seside the TV wall name, enter the new name and then click [OK].

To delete TV wall, click behind the TV wall name.

10.2.2 TV Wall View

• Create a Plan

Go to Home \rightarrow TV Wall Management \rightarrow TV Wall View \rightarrow TV Wall Plan.

Click ⁺ beside the TV wall name to create the TV wall plan name.

♦ Configure Plan

Double click the plan name to show the plan.

Drag the monitoring points to the corresponding window respectively to decode an image.

* 1_Plan_1 🔳 default area (Online/Total num Test (Online/Total number:0/0) NVR Israel_2nd Floor VVR Israel Back Counting el_Back DDA Back Counting Ν VR Israel DMA-390IP528 VR Israel_Face Attendance rael Front Counting ael 183201 PI Decoder Input TV Wall Pla 2020-08-16 00:00:00 ÷ ÷ 0-08-16 23:59:59 V 1 4 9 16 25 36 Enable PIP Hide ID Save Save as F

Toolbar Menu

1 -49162536-	Enable PIP	Hide ID	Save	Save as

- 1. Screen mode: 1/4/9/16/25/36 screen mode is optional.
- 2. Open Window: Click [Enable PIP] and then drag on a window to open a small window on it. Click [Disable PIP] to stop opening the window. The small window can be dragged to anywhere on the big window.



- 3. Click [Hide ID] to hide the window number; click [Display ID] to display the window number.
- 4. Click [Save] to save the current plan.

Create Plan						
Plan Name 1_Plan_1						
Plan No. 1						
Edit ID	ОК	Cancel				

5. Click [Save as] to save it as another plan.

Double click a window to play the video.



Right-click Menu



- 1. Screen mode:1/4/9/16/25/36 screen mode is optional.
- 2. Zoom in\out: if the current screen mode is multi-screen display mode, click "Zoom In" to zoom in the current image. Click the "Zoom Out" menu again to restore to the previous status.
- 3. Save as Alarm Window: click it to save the current window as an alarm window. The alarm linkage image will be displayed in this window. Go to Home→ Alarm Center→Alarm Linkage (or Home→Alarm System→Alarm Linkage) interface. Select a TV wall linkage item to set alarm linkage.



- 4. Set as Playback window: when decoding images, click this menu to play the records of the current channel (the record source is the current record source).
- 5. PTZ Control: click this menu to prompt a PTZ control panel of the current decoding window. Direction control, zooming and focusing, Iris control, speed, preset, track and cruise calls can be operated through this control panel.
- 6. Stop Decoding: click it to stop decoding the current image.
- 7. View Decoder: view the information of the decoder.
- 8. Clear TV Wall: click it to clear the decoding configuration of the current output.
- Screen Merging or Splitting

Drag the mouse to select multi-window and then click [Merge] to merge these windows.





Select the merged window and click [Split] to restore the window to its previous status.

- ◆ Auto-Switch Group
- 1. Create Auto-Switch Group
- 2. Create Auto-Switch Group
 - ① Click Auto-Switch Group under the screen and then click to create an auto-switch group.



② Select "Auto-Switch Window" to select the window group.



③ Click "Monitoring Point" to select the auto-switch channel group.



(4) Enter the auto-switch name and dwell time.

3. Execute auto-switch



Click to execute auto-switch. The specified channel images will be played in the specified windows in sequence. Click to stop playing the current auto-switch.

4. Modify or delete auto-switch

Right-click the auto-switch name and then select Modify or Delete to modify or delete the auto-switch.

Note: If there are overlapped auto-switch window in a plan, the auto-switch groups will not be executed at the same time.
♦ Auto-switch plan

1. Create auto-switch plan

Click E behind the TV wall plan name to set the auto-switch. Click "Join in" to select the plan. Then set dwell time and click [OK].



2.Start/stop auto-switch

ΤV	' Wall Plan		
⊿ 🙇	Create TV Wall1 (1)	+ > 🔹	
	1_Plan_1(1)	🗹 🗓 Start Auto-	Switch

Click which the TV wall name to start the auto-switch plan. Click the Stop button to stop the auto-switch.

3. Modify the auto-switch plan

Click again to modify the auto-switch plan.

Note: If the current auto-switch plan needs to modify, please stop it first.

10.2.3 Decoder Input

Go to Home \rightarrow TV Wall Management \rightarrow Decoding on TV Wall \rightarrow Decoder Input. Drag an input to a window to execute decoding.



10.2.4 Playback

Playback on TV Wall

Click "Preview" on the left corner. Then this button becomes "Playback". Select "Obtain from storage server or from network device" From network device

and then click "OK" to search records, or drag the cameras (or channels) to a window to search and play the records.



Or right click on the channel window and choose "Set as Playback Window".



NVR Israel_2nd Floor	
	NVR Israel Front Door Face
1	7 4
Auto-Sw	vitch Group
1 4 9 16 25 36 Split Enable PIP Hide ID Save Save as	Pause Stop Next Frame Previous 30s Next 30s
© 02,00 04,00 06,00 10,00 12,00 14,1 Chargest 1 <t< th=""><th></th></t<>	

Of course, the specified time and event types can be set to search the specified records.

Playing control



During playback, the record can be controlled by the above buttons.

Right-click menu



- Screen mode:1\4\9\16\25\34 screen mode is optional 1.
- 2. Zoom in
- 3. Save as an alarm window
- Save as preview window: : the current channel or the historical channel is optional. 4.
- Playback stream type: main stream or sub stream is selectable. 5.
- 6. Stop decoding
- 7. View decoder information
- 8. Clear TV wall

The following picture is an example of a TV Wall.



10.2.5 Task Setting of TV Wall

Go to Home \rightarrow TV Wall Management \rightarrow Task Setting. Click + behind the TV wall name. Select plan name, enter the task name, set run time and enable plan task.

TV Wall	Create Task ×
Create TV Wail1 (1) 🗼 十 💼	Plan Name <u>1_Plan_1 ∨</u> Task Name <u>New_Plan_Task</u> ■ Run Plan Task Run Time <u>00:00:00</u> ©
	Everyday Every Week OK Cancel

Click limit to start the task. Click the Stop button to stop this task.



Modify or delete the task

Double click the TV wall name and then the tasks will be displayed on the right window.



10.2.6 TV Wall System Setting

Go to Home \rightarrow TV Wall Management \rightarrow TV Wall System Setting interface as shown below. In this interface, channel number and decoder bind can be set up.

Channel number configuration: set the channel number and make the channel convenient to be controlled by the network keyboard controller. Users can export these channel numbers in this interface.

ch- 0 0 0 0 0 Ch-ck-COIning-Total numbers 2 default area->NVR Istael_Sales Desk 2 NVR Israel_2nd Floor 1 0 default area->NVR Israel_Sales Desk 2 3 default area->NVR Israel_Sales Desk 2 1 0 default area->NVR Israel_Sales Desk 2 3 Test 2 0 default area->NVR Israel_Sales Desk 2 3 3 0 default area->NVR Israel_Street Counting 3 6 default area->NVR Israel_Street Counting 6 9 default area->NVR Israel_Street Counting 7 9 default area->NVR Israel_Street Scott 7 10 default area->NVR Israel_Street Scott 7 11 default area->NVR Israel_Street Scott 7 12 default area->NVR Israel_Street Scott 7 13 default area->NVR Israel_Street Scott 7 14 default area->NVR Israel_Street Scott 14 15 default area->NVR Israel_Street Scott 14	Image: Check Colline/Total number Image: Check Colline/Total number Check Colline/Total number 2 default area - SNR Israel 2nd Floor 1 3 default area - SNR Israel 2nd Floor 1 3 default area - SNR Israel 2nd Floor 4 6 default area - SNR Israel Control Door Face 4 6 default area - SNR Israel Font Door Face 4 7 default area - SNR Israel Font Door Face 4 8 default area - SNR Israel Font Door Face 4 9 default area - SNR Israel Font Door Face 8 10 default area - SNR Israel Font Door Face 9 11 default area - SNR Israel Font Door Face 9 12 default area - SNR Israel Font Counting 6 10 default area - SNR Israel Face Attendance 8 10 default area - SNR Israel Back Coonting 10 12 default area - SNR Israel Font Counting 12 13 default area - SNR Israel Font Counting 13 15 default area - SNR Israel Font Counting 13 15 default area - SNR Israel Font Counting 13 15 default area - SNR Israel Font Counting 15 15 default area - SNR Israel Font Counting 15	eo Point				Conflict between Channel Num
2 default area>NVR israel_2nd Floor 1 3 default area>NVR israel_2nd Floor 2 4 default area>NVR israel_2nde Noa	2 default area-SNR Rival_2nd Floor 1 3 default area-SNR Rival_2nd Floor 1 3 default area-SNR Rival_2nd Floor 2 4 default area-SNR Rival_2nd Floor 3 5 default area-SNR Rival_2nd Floor 4 6 default area-SNR Rival_2nd Floor 6 8 default area-SNR Rival_2nd Floor 6 9 default area-SNR Rival_2nd Floor 8 10 default area-SNR Rival_2nd Floor 8 11 default area-SNR Rival_2nd Floor 10 12 default area-SNR Rival_2nd Floor 10 13 default area-SNR Rival_2nd Floor 11 13 default area-SNR Rival_2nd Floor 12 14 default area-SNR Rival_2nd Floor 14 15 default area-SNR Rival_2nd Floor 15 16 default area-SNR Rival_2nd Floor 16	Check (Online/Total numbe		group>Test	1	
3 default area>NVR israel_Sales Deak 2 4 default area>NVR israel_MA-3900F528 3 5 default area>NVR israel_Finit Postage 4 6 default area>NVR israel_Sales Deak 5 7 default area>NVR israel_Sales Deak 5 8 default area>NVR israel_Street Counting 6 9 default area>NVR israel_Street Counting 7 9 default area>NVR israel_Street Counting 8 10 default area>NVR israel_Street Counting 10 11 default area>NVR israel_Street Counting 10 12 default area>NVR israel_Street Counting 10 13 default area>NVR israel_BS2UPR 11 13 default area>NVR israel_BS2UPR 12 14 default area>NVR israel_Street Counting 13 15 default area>NVR israel_BC DDA 14	3 default area>NVR listad_lake. Dark 2 4 default area>NVR listad_LAM-300(F528) 3 5 default area>NVR listad_front Door Face 4 6 default area>NVR listad_front Door Face 4 7 default area>NVR listad_Street Counting 6 8 default area>NVR listad_front Counting 6 9 default area>NVR listad_front Counting 8 10 default area>NVR listad_listack Counting 10 11 default area>NVR listad_listack Counting 10 12 default area>NVR listad_listack Counting 10 13 default area>NVR listad_listack Counting 13 13 default area>NVR listad_listack Counting 13 15 default area>NVR listad_listack Counting 13 15 default area>NVR listad_listack Counting 13 15 default area>NVR listad_listack Counting 14	default area (Online/Total n	2	default area>NVR Israel_2nd Floor	1	NVR Israel_2nd Floor
4 default area>NVR Israel_MAA-390/P528 3 5 default area>NVR Israel_Main Passage 6 6 default area>NVR Israel_Main Passage 6 7 default area>NVR Israel_Pace Attendance 8 9 default area>NVR Israel_Pace Attendance 8 10 default area>NVR Israel_Pace Attendance 9 11 default area>NVR Israel_Back Counting 10 12 default area>NVR Israel_Back Counting 10 13 default area>NVR Israel_Back Counting 12 14 default area>NVR Israel_Back DOA 14 15 default area>NVR Israel_Back DOA 14	4 default area>NVR krael_DAM-3900F53 3 5 default area>NVR krael_Krael_Krael_Krael Krael Kra			default area>NVR Israel_Sales Desk		Test
5 default area>NVR issael_Fort Door Face 4 6 default area>NVR issael_Storet Counting 5 7 default area>NVR issael_Fort Counting 6 8 default area>NVR issael_Fort Counting 7 9 default area>NVR issael_Fort Counting 8 10 default area>NVR issael_Fort Counting 10 11 default area>NVR issael_Back Counting 10 12 default area>NVR issael_Back Counting 11 13 default area>NVR issael_Back Counting 12 14 default area>NVR issael_Office DDA 12 15 default area>NVR issael_Back DOA 14	5 default area>NVR Israel_From Door Face 4 6 default area>NVR Israel_Main Passage 5 7 default area>NVR Israel_Firsten Counting 6 8 default area>NVR Israel_Firsten Counting 6 9 default area>NVR Israel_Firsten Counting 8 10 default area>NVR Israel_Firsten Counting 10 12 default area>NVR Israel_Firsten Counting 11 13 default area>NVR Israel_First Counting 13 14 default area>NVR Israel_First Counting 13 15 default area>NVR Israel_First Counting 14 16 default area>NVR Israel_Back DOA 14			default area>NVR Israel_DMA-390IP528		
6 default area>NVR Israel_Street Counting 6 7 default area>NVR Israel_Street Counting 7 9 default area>NVR Israel_FREeMera 7 9 default area>NVR Israel_FREEME 9 10 default area>NVR Israel_FREEME 9 11 default area>NVR Israel_Street FEI_3600F5 9 12 default area>NVR Israel_BS20LPR 11 13 default area>NVR Israel_Street FEI_5600F5 12 14 default area>NVR Israel_Street FEI_5600F5 13 15 default area>NVR Israel_Street FEI_5600F5 14	6 default area>NVR kisael_Main Passage 5 7 default area>NVR kisael_Street Counting 6 8 default area>NVR kisael_FCamera 7 9 default area>NVR kisael_FCI 8 10 default area>NVR kisael_FCI 9 11 default area>NVR kisael_FCI 10 12 default area>NVR kisael_FCI 11 13 default area>NVR kisael_Fort Counting 13 14 default area>NVR kisael_Fort Counting 13 15 default area>NVR kisael_Stack DDA 14 16 default area>NVR kisael_Stack DDA 14			default area>NVR Israel_Front Door Face		
7 default area>NR issel; Street Counting 6 8 default area>NR issel; FEI, Storet Street Attendance 8 9 default area>NR issel; FEI, Storet S	7 default area>NVR krad_Street Counting 6 8 default area>NVR krad_IECamera 7 9 default area>NVR krad_ISAC 8 10 default area>NVR krad_ISAC 9 11 default area>NVR krad_ISAC Counting 10 12 default area>NVR krad_ISAC Counting 11 13 default area>NVR krad_ISAC Counting 12 14 default area>NVR krad_ISAC Counting 13 15 default area>NVR krad_ISAC Counting 13 16 default area>NVR krad_ISAC Counting 14			default area>NVR Israel_Main Passage		
8 default area>NVR issael_FE_360P5 9 9 default area>NVR issael_FE_360P5 9 10 default area>NVR issael_FE_360P5 9 11 default area>NVR issael_FE_360P5 10 12 default area>NVR issael_FE_360P5 11 13 default area>NVR issael_FE_320LPR 11 14 default area>NVR issael_FC_0DA 12 15 default area>NVR issael_FC_0DA 14	8 default area>NVR lacad_IPCamera 7 9 default area>NVR lacad_FE_jS00PS 8 10 default area>NVR lacad_EE_jS00PS 9 11 default area>NVR lacad_EE_JS00PS 10 12 default area>NVR lacad_EE_DS00PS 11 13 default area>NVR lacad_EE_OTINC 12 14 default area>NVR lacad_EF cont Counting 13 15 default area>NVR lacad_EF cont Counting 14 16 default area>NVR lacad_EF cont Counting 13 15 default area>NVR lacad_ES lack DOA 14			default area>NVR Israel_Street Counting		
9 default area>NVR Israel_FEI_360IPS 9 10 default area>NVR Israel_Back Counting 10 12 default area>NVR Israel_B320IPR 11 13 default area>NVR Israel_FEI_500IPS 12 14 default area>NVR Israel_FEI_COUTING 13 15 default area>NVR Israel_Back DDA 14 16 default area>NVR Israel_FEITOLOUTING 13	9 default areaNVR krael_Face Attendance 8 10 default areaNVR krael_Face Attendance 9 11 default areaNVR krael_Face Counting 10 12 default areaNVR krael_B320UPR 11 13 default areaNVR krael_Fort Counting 12 14 default areaNVR krael_Fort Counting 13 15 default areaNVR krael_Fort Counting 14 16 default areaNVR krael_Fort Counting 15			default area>NVR Israel_IPCamera		
10 default area>NVR lisrael [Ed_360055 9 11 default area>NVR lisrael [Back Counting 10 12 default area>NVR lisrael [Back DDA 11 13 default area>NVR lisrael [Counting 13 14 default area>NVR lisrael [Back DDA 14 15 default area>NVR lisrael [Back DDA 14	10 default areaNVR larael_FE1_S00P5 9 11 default areaNVR larael_Back Counting 10 12 default areaNVR larael_S3020R 11 13 default areaNVR larael_Office DDA 12 14 default areaNVR larael_Front Counting 13 15 default areaNVR larael_Back DDA 14 16 default areaNVR larael_Back DDA 14			default area>NVR Israel_Face Attendance		
11 default area>NVR israel Back Counting 10 12 default area>NVR israel B320LPR 11 13 default area>NVR israel Fort Counting 12 14 default area>NVR israel Fort Counting 13 15 default area>NVR israel Back DDA 14	11 default area>NVR kradi Back Counting 10 12 default area>NVR kradi B320LPR 11 13 default area>NVR kradi B320LPR 12 14 default area>NVR kradi Front Counting 13 15 default area>NVR kradi Back DDA 14 16 default area>NVR kradi Back DDA 14			default area>NVR Israel_FEI_360IP5		
12 default area>NVR Issael_B320LPR 11 13 default area>NVR Issael_Office DDA 12 14 default area>NVR Issael_Front Counting 13 15 default area>NVR Issael_Back DDA 14	12 default area>NVR lsrael_0520L/R 11 13 default area>NVR lsrael_office DDA 12 14 default area>NVR lsrael_Front Counting 13 15 default area>NVR lsrael_Back DDA 14 16 default area>NVR lsrael_Back DDA 14			default area>NVR Israel_Back Counting		
13 default area->NVR Issael_Office DDA 12 14 default area->NVR Issael_Front Counting 13 15 default area->NVR Issael_Back DDA 14	13 default area>NVR lisael_Front Counting 12 14 default area>NVR lisael_Front Counting 13 15 default area>NVR lisael_Bick DDA 14 16 default area>NVR lisael_Bick DDA 14			default area>NVR Israel_I8320LPR		
14 default area->NVR Israel, Front Counting 13 15 default area->NVR Israel, Back DOA 14	14 default area->NVR lisred_Front Counting 13 15 default area->NVR lisred_Back DDA 14 16 default area->NVR lisred_Back DDA 14			default area>NVR Israel_Office DDA		
15 default areaNVR trade Back DDA 14	15 default area>NVR Israel_Back DDA 14			default area>NVR Israel_Front Counting		
and default area > NV/D Israel Caler Office	16 default area>NVR Israel Sales Office 15			default area>NVR Israel_Back DDA		
16 uerault area				default area>NVR Israel_Sales Office		

10.3 Decoder (DEC-0104(1U))

The decoder is used to decode the video signal transmitted by the transfer server. The decoding output is a standard video signal. The decoder is necessary for decoding videos on the TV wall.

10.3.1 Configure DEC-0104(1U) Decoder

Before configuring the decoder, a TV Wall setting must be preset. Please follow step 9.2The decoder which needs to be connected to the platform must be the master decoder and in platform mode. Login the web client of the decoder as shown below.

Go to Basic Settings \rightarrow System Settings to check the user permission and running mode of the decoder and make sure its user permission is master and its running mode is the platform. Then apply the settings and restart the decoder.

Basic Settings	
Running Mode	PlatForm 🔽
User Permission	Master
Device Name	Decoder
MAC	00:18:AE:B0:A2:37
Soft Version	2.1.2
Version Date	20200417
Kernel Version	J7F6-I9F6-I9F6
Device Type	TD-1104D
	Apply

10.3.2 Add a DEC-0104(1U) Decoder

Go to Home \rightarrow Add, Edit or Delete Device \rightarrow Decoder interface.

Add, Edit or Delete Device	Device Se	ttings	Area	Settings	Channel Gro	oup Settings					
Device Type		Add	Delete							Search	
Encoding Device (Online/Total	numbe						Add D	ecoder			×
Decoder (Online/Total number:	:0/0)	•	Devi	Quickly A	dd Man	ually Add				Device Quantity:1	Refresh
Analytics Server (Online/Total n	number				Device N	IP Address	Port	Subnet Mask	Version	Device ID	
Storage Server (Online/Total nu	umber:1										
Media Transfer Server (Online/	Total nu				Decoder	192.168.0.202	8888	255.255.255.0	2.1.2	00:18:AE:B0:A2:37	
Alarm Server (Online/Total num	nber:1/1										
TV Wall Server (Online/Total nu	umber:1										
				Lleor Namo	admin	Pacque	rd				Cancol
				- oser Marne	aumin	Passwo				UK	Cancel

The setting steps of adding decoders are the same as adding encoding device setup (see Add Encoding Device for details).

Please note: The decoder status will be "Offline" until properly bound to the TV Wall. Please continue to the next steps of the installation.

After that, go to Home \rightarrow TV Wall Management \rightarrow TV Wall System Setting \rightarrow Decoder Bind Configuration. Then click is to bind decoder and TV wall.

10.3.3 Bind a DEC-0104(1U) Decoder to a TV Wall

Go to Home \rightarrow TV Wall Management \rightarrow TV Wall System Setting interface as shown below. In this interface, the decoder bind can be set up. Any

Decoder bind configuration: modify the binding state between decoder and TV wall. All decoder configured in step 9.2.2 should appear here.

TV Wall Se	TV Wall Settings TV Wall View Task Settings TV Wall System Settings								
Channel N	Channel Number Settings Decoder Bind Configuration								
Device N	Output	IP Address	Port	Online Status	Select TV Wall	Open in	Edit		
Decoder	4	192.168.0.202	8888	Offline		Ē			

Click **L** to change bound TV Wall.

Before binding, the decoder will be offline and selected TV wall column will be empty.

TV Wall S	TV Wall Settings TV Wall View Task Settings TV Wall System Settings							
Channel N	Number Setti	ngs Decoder Bi	ind Configurat	ion				
Device N	Output	IP Address	Port	Online Status	Select TV Wall	Open in	Edit	
Decoder		192.168.0.202					\square	
		F	Chan	ge Bound TV W	/all ×			
			Select TV Wal	Create TV Wall1				
			ОК	Create TV Wall1	сеі			

Once properly bound, the decoder will become online.

TV Wall Settings TV Wall View Task Settings TV Wall System Settings							
Channel Number Settings Decoder Bind Configuration							
Device N	Output	IP Address	Port	Online Status	Select TV Wall	Open in	Edit
Decoder	4	192.168.0.202	8888	Online	Create TV Wall1	—	

Return to the decoder management interface as shown above. The online status of the decoder indicates that the decoder is successfully bound with a TV wall. Go to the TV Wall Setting interface as shown below. Drag the outputs of the decoder to the window on the right and save them to complete the output bind.

TV Wall Settings TV Wall View	Task Settings TV Wall System Settings	
TV Wall	Create TV Wall1	
TV Wall Server + Create TV Wall1(1)	Initialize Save	
	Codewith	Corport
Decoder Output	Decode	r Decoder
	Green	Culture
	Decode	r Decoder

11 Account and Permission

11.1 Create Account

Go to Home \rightarrow Account and Permission.

User Account Settings User Permission Group Settings							
Add	Add Delete Create Security Questions / Answers						
	Account	Enabled	Select Permission Group	MAC Address	Bind MA	Edit	Delete
	admin	On	Super Administrator	00:00:00:00:00:00	Off		Ū

There is a default super admin user (the username is admin; the password is 123456). The super admin user cannot be deleted. Click [Add] to prompt an adding user window as shown below.

Enter the user name and password. Then select the permission group (it must be set in advance). Binding MAC address or remark can be filled in as needed. After that, click [OK] to save.

Click to modify the added user; click to delete the added user.

	Add User	×
Enable	✓	
User Name*		
Old Password*	Enter Password	
Password*	Enter Password	
Confirm Password*	Enter Password	
Display Password	•	
Permission Group*		
Bind MAC Address	: : : : : :	
Remark		
ОК	Cancel	

11.2 User Permission Settings

Go to Home \rightarrow Account and Permission \rightarrow User Permission Group Setting.

① Click [Add] to create a permission group.



② Enter the permission group name.

③ Select system permission, operation permission and area permission as needed.

Click to modify the permission group; click it to delete the permission group.

12 Operation and Maintenance Management

12.1 Check and Export Log

Go to Home \rightarrow Operation and Maintenance Management.

Click the "Check and Export Log" tab as shown below. All types of logs can be searched and exported here.

Check an	d Export Log Back	up and Restore Configuratio	n Online Status Status Log							
All Types	Alarm Log	Operation Log Confi	ig Log Fault Log							
Start Time	2020 <mark>-08-16 00:00:00 🔶</mark>	End Time 2020-08-16 23:59:	59 😌 Search Export							
No.										Alarm
1	Alarm Log	2020-08-16 16:37:04	NVR Israel_Sales Desk	Channel-Motion	None	None		\odot		2
2	Alarm Log	2020-08-16 16:37:03	NVR Israel_Face Attendance	Channel-Motion	None	None		\odot	~	2
3	Alarm Log	2020-08-16 16:37:00	NVR Israel_Sales Desk	Channel-Motion	None	None		\odot		2
4	Alarm Log	2020-08-16 16:36:57	NVR Israel_Sales Desk	Channel-Motion	None	None		\odot	~	2
5	Alarm Log	2020-08-16 16:36:55	NVR Israel_Sales Desk	Channel-Motion	None	None		\odot		2
6	Alarm Log	2020-08-16 16:36:52	NVR Israel_Sales Desk	Channel-Motion	None	None		\odot		2
7	Alarm Log	2020-08-16 16:36:50	NVR Israel_Sales Desk	Channel-Motion	None	None		\odot	~	2
8	Alarm Log	2020-08-16 16:36:50	NVR Israel_Street Counting	Channel-Motion	None	None		\odot	~	2
9	Alarm Log	2020-08-16 16:36:49	NVR Israel_Main Passage	Channel-Face Rec	None	None		\odot	~	2
10	Alarm Log	2020-08-16 16:36:47	NVR Israel_Sales Desk	Channel-Motion	None	None		\odot		
11	Alarm Log	2020-08-16 16:36:46	NVR Israel_Sales Office	Channel-Motion	None	None		\odot	~	2
12	Alarm Log	2020-08-16 16:36:45	NVR Israel_Front Door Face	Channel-Motion	None	None		\odot		
13	Alarm Log	2020-08-16 16:36:42	NVR Israel_Street Counting	Channel-Motion	None	None		\odot		2
14	Alarm Log	2020-08-16 16:36:42	NVR Israel_Sales Desk	Channel-Motion	None	None		\odot		2
15	Alarm Log	2020-08-16 16:36:41	NVR Israel_Main Passage	Channel-Face Rec	None	None		\odot	~	2
<										
						44	The 1 /185Pag	ge 🕪 🕨 Per Page 50 🖂 Entr	y 1-50 Total Entrie	s : 9240

Select the log type, set the start time and the end time and then click [Query] to search logs. After the logs are searched, click [Export] to export these logs.

12.2 Backup and Restore Configuration

Go to Home -> Operation and Maintenance Management. Click "Backup and Restore Configuration" to go to the following interface.



You can import the former system configuration files to the new version. Click [Backup System Configuration] in the last version to backup the system configuration files. Then click [Restore System Configuration] in the new version to restore the system configuration.

12.3 Viewing Online Status

Go to Home→Operation and Maintenance Management→Online Status interface.

You can view the online status of encoding devices, decoders and storage servers and the record status of the storage server and encoding devices.



12.4 Viewing Status Log

Go to Home \rightarrow Operation and Maintenance Management \rightarrow Status Log interface.

Check an	id Export Log Backu	ip and Restore Configu	ration Online Status	Status Log	
Start Time	<mark>2020</mark> -08-16 00:00:00 🔶	End Time 2020-08-16 2	23:59:59 🔶 Search		
No.					Î
1	Decoder online	2020-08-16 15:28:56	Decoder		
2	Decoder offline	2020-08-16 15:26:16	Decoder		
3	Decoder online	2020-08-16 15:15:15	Decoder		
4	Monitor online	2020-08-16 13:00:40	NVR Israel_Office DDA		
5	Monitor client offline	2020-08-16 12:56:58	NVR Israel_Office DDA		
6	Monitor online	2020-08-16 12:42:21	NVR Israel_Office DDA		
7	Monitor client offline	2020-08-16 12:40:44	NVR Israel_Office DDA		
8	Monitor online	2020-08-16 12:40:37	NVR Israel_Office DDA		l l
9	Monitor client offline	2020-08-16 12:39:09	NVR Israel_Office DDA		
10	Monitor online	2020-08-16 12:39:06	NVR Israel_Office DDA		
11	Monitor client offline	2020-08-16 12:39:00	NVR Israel Office DDA		

In this interface, record status, online or offline status of servers and monitor clients can be viewed. Set the start time and the end time and then click [Search] to search status logs.

13 Local Configuration

13.1.1 System Startup and Maintenance

Go to Home→Local Configuration→System Startup and Maintenance.

System Startup and Maintenance	Overload Setting	Alarm View Settings	Network Config	Server port config	System time config	System configuration	Audio Uploading
System Startup and M	aintenance						
🗹 Auto Login 🛛 🗖 Show mes	ssage when device go	es offline 🛛 Trigger a	audio when the devic	e is offline 🛛 Full I	DVR/NVR channels name	display 🔲 Resource t	ree automatically expands
New live preview view defau	ılt substream						
Resource Tree Sorting Rules	Sort by name Real-Time Priority	 Sort by time Fluency Priority 					
Backup client configuration	Restore client co	onfiguration					
Require password when exiting t	he program 🛛 🔍 Ye	s 🔎 No					
Select Language English(United	d States) 🛛 🗸						
Time Display Format yyyy-MM-	dd hh:mm:ss 💦 🔨						
HDMI Screen Resolution 1920x1	1080						

- Auto Login: if enabled, the system will automatically log in when running this software next time.
- Show message when device goes offline: if enabled, the system will pop up a warning when there is device offline.
- Trigger audio when the a device is offline: if enabled, the system will trigger an audio prompt when a device goes offline.
- **Full DVR/NVR channel name display**: if enabled, the DVR/NVR's channel name listed in the resource tree will show the DVR/NVR name and the channel name. If disabled, only the channel name is shown.
- **Resource tree automatically expands:** If enabled, the device trees will expand automatically.
- New live preview view default substream: If enabled, the system will open all new windows in sub-stream.
- Resource tree sorting rules: This will define how the devices are sorted under the tree. Options are "by Name" or "by Time".
- Video Streaming Rules: Control the live view buffer. "Real-Time Priority" means that the buffer will be smaller and video will be delivered quicker. It also means that the video might hand under limited bandwith or overloaded networks. "Fluency Priority" means that the buffer will be bigger, the video will be delivered with some short delay, but will be more fluent.
- Backup/Restore client configuration: Backup and restore the system configuration.
- **Require password when exiting the program:** if enabled, you shall enter the password before exiting the program.
- In this interface, you also can select the resource tree sorting rules, video configuration rules, language and upload the various alarm audio files. You can click [Synchronize platform time] to synchronize the time of all devices and the platform.
- Select Language: select the system language.
- **Time Display format:** Set the required time system format as your preference.
- HDMI Screen Resolution: Set the HDMI resolution. It ranges from 1280x720 to 4K(4096x2160)

13.1.2 Overload Settings

This system supports CPU and memory overload protection. When the system overloads, the monitor client will restrict the new live view and playback operation and the overload tip will prompt. Go to Home \rightarrow Local Configuration \rightarrow Overload Setting. Select the overload upper limit and then click [Apply] to save the settings.

Resource Overload Related Attributes



13.1.3 Alarm View Settings

Go to Home \rightarrow Local Configuration \rightarrow Alarm View Setting.

In this interface, users can enable "Automatic Pop-up Alarm Page" or "Full-Screen Display when Popping up", set "automatically /manually close alarm page" and select the number of screens (1/4/6/19 optional).

Alarm View Settings

🗹 Open Alarm Window Automatically	Open in full screen display	Full Screen Display DISPLAY1	~
Close Alarm page Auto Close	V Time 30Sec		
Number of Screens 4			
Apply			

13.1.4 Network Config

Go to Home \rightarrow Local Configuration \rightarrow Network Config.

From here you can set all configurations required for successful network connectivity. Note that there is a difference between OC-MS-XL(1U) which support 4 network connections and OC-MS-M(DT)/OC-MSCL-S(DT) which support only one.

• Network Config of OC-MS-XL(1U)

Network Co	onfig				
IP Group IP Address Subnet Mask	Enable	eth0 🗹 Bind static IP	eth1 🐼 Bind static IP	eth2 🛯 Bind static IP	eth3 I 🗹 Bind static IP
Gateway Network Mode	192.168.0.1 Adaptive Load Balancing	MAC Address EC:D6:8A:4A:8E:A9 IP Address 192.168.0.18 Subnet Mask 255.255.255.0	MAC Address EC:D6:8A:4A:8E:A9 IP Address 192.168.0.18 Subnet Mask 255.255.255.0	MAC Address EC:D6:8A:4A:8E:A9 IP Address 192.168.0.18 Subnet Mask 255.255.255.0	MAC Address EC:D6:8A:4A:8E:/ IP Address 192:168.0.18 Subnet Mask 255:255.255.0
Default DNS Secondary DNS	8.8.8.8 8.8.4.4	Gateway 192.168.0.1	Gateway 192,168.0.1	Gateway 192.168.0.1	Gateway 192.168.0.1

IP Group joins the configurations of all the network cards (Use it in case you are using only one network cards, or when all the network cards required identical parameters). Once enabled, the inidividual cards will become inactive and only the left section will be available for editing.

If disabled, you will need to configure each one of the 4 ports manually.

Also, the system allows different work methods for the 4 network cards as follows. Please consult your IT network administrator, to choose the best one. The default option is "Adaptive Load Balancing" which means that the system will automatically redirect network traffic between the network cards to avoid overloading one network while the other networks are not in use.

Round-robin Policy Active-backup Policy XOR Policy Broadcast strategy Dynamic Link Aggregation Adaptive Transmit Load Balancing Adaptive Load Balancing

• Network Config of OC-MS-M(DT)/OC-MSCL-S(DT):

Network Co	nfig		
IP Group	Enable		
IP Address	192.168.0.10	eth0 l	✓ Bind static IP
Subnet Mask	255.255.255.0		
Gateway	192,168,0,1	MAC Address	EC:D6:8A:4A:8E:A9
Network Mode		IP Address	192.168.0.18
Network mode	Adaptive Load Balancing	Subnet Mask	255.255.255.0
Default DNS	8.8.8.8	Gateway	192.168.0.1
Secondary DNS	8.8.4.4		

Since there is only one network card on these servers, IP Group and Network Mode are disabled. You need to configure the network card manually.

13.1.5 Server Port Config

Go to Home \rightarrow Local Configuration \rightarrow Server Port Config.

System Startup and Maintenance	Overload Setting	Alarm View Settings	Network Config	Server port config	System time config	System configuration	Audio Uploading		
Server port config									
Authentication Serv	le	Config Server	le A	Media Transfer S ■ En Port 6006 ctive report port 2009	erver able	Alarm Server		TV Wall Server C Enable Port 6036	
Analytics Server	le	Access Server	ole						

From here you can configure the ports and services the server will provide. If you don't need a service, you can disable it to free resource and close the port.

Note: If the authentication Server service will be disabled, the server can only perform as a small media transfer server. When disabling the Authentication server, the GUI will be disabled as well (Black screen). In such case you will need to login to the remote management web console in order to activate the service back. (Please refer to "Remote configuration web console").

13.1.6 System Configuration

Go to Home \rightarrow Local Configuration \rightarrow System Configuration.

System Settings	
Alarm preview using third stream	No out-of-schedule alarms displayed
Ignore identical alarm reports for:	1 Hour Select associated alarm type
Synchronize Platform Time	🖌 Device Time 🔽 Synchronize timezone (Automatic synchronization of platform time to the device every 2 hours)

From here you can set basic configuration parameters.

- 1) Alarm Preview using third stream: Alarm pop ups will use third stream to avoid system overload.
- 2) No out-of-schedule alarms displayed: If the alarm is not in the configured schedule duration, the VMS will ignore it.
- 3) Ignore identical alarm reports: Ignore repeating alarms for x hours
- 4) Synchronize Platform time: This option will synchronize all the devices connected to the VMS server with the server time. You can choose if to sync device time only or also the time zone.

Please note: Using this option when devices are connected to more than 1 server will cause a problem as times cannot be 100% synched. Therefore the server will constantly change the device time. If more than 1 server is connecting to the devices, only 1 server should control the time, while the other should be disabled.

13.1.7 Audio Uploading

Go to Home \rightarrow Local Configuration \rightarrow Audio Uploading. Click [Add] to bring the following box.

Ado	Delete
	Audio Na Delete
	Audio Uploading ×
	Browse Test
	Audio Name
	Audio sampling rate: 16000Hz, 16bit, Mono, File size: less than 10M, File format: .wav
	OK Cancel

Click [Browse] to choose the audio file and then enter the audio name. Click [OK] to save this audio. After the audio is uploaded successfully, you can listen to it.

14 Analytics Server Management

Before using analytics functions, please confirm the analytics server has been already created and it is online. (An analytics server will be created automatically on the server).

Go to Home \rightarrow Resource Management \rightarrow Analytics Server. There is a default intelligent analysis server. Please make sure the server is online.

Add, Edit or Delete Device Device	Settings Area Set	tings Channel	Group Settir	ngs		
Device Type	Server Name	IP Address	Port	Client Co	Authentic	
Encoding Device (Online/Total numbe	Analytics Server	192.168.0.36	6069	Online	Online	
Decoder (Online/Total number:1/1)						
Analytics Server (Online/Total number:						
Storage Server (Online/Total number:1						
Media Transfer Server (Online/Total nu						
Alarm Server (Online/Total number:1/						
TV Wall Server (Online/Total number:1						

The analytics server is responsible for all the tasks requires analytics and some analysis from the Ossia VMS server. For example: LPR, Face Recognition (Database Sync), Object Counting Etc.

14.1 Face Recognition

14.1.1 Face Database Management

Create and edit the database by going to Home \rightarrow Face Database.

Create Database

Right-click the analytics server to select "Add" to add a database.

Set the database name and choose its type (Face Recognition NVR or Face Recognition Camera). The device list will refresh according to the selected device. (If the device list is empty, it means that no such device is configured on the server)

Please select the corresponding device and click \geq to add the device. Then this library and its targets will be added to the face database of the added device, but the face database and its targets cannot be added to this library.

To edit / delete a database, right click on it to open the options menu.

Select "Modify" to modify the library name. Check "Sync NVR Database if you want to add or delete devices. If adding a device, all targets in this database will be copied to new device. If deleting the added device, all items of this database will be cleared from the device.

Click "Copy to" to copy the current library (A) and its targets to another library (B) and create a library (B). If selecting to copy to face recognition NVR/IPC/access control terminal, the current library (A) and its targets will be added to the face database of the above-mentioned devices.

Click "Delete" to delete the current library.

Force Delete: This function is used to delete the library linking the face recognition NVR/IPC. When the FR NVR/IPC/access control terminal is offline or disconnected with the intelligent server, you shall select "Forcedly Delete" to delete the relevant library.







• Add New Face from file

Then double click the database and click [Add Face] to create a new entry.

Import from folder:

Search subfolder: After clicking [Import from Folder] and choosing "Search Subfolder", choose a folder including multiple subfolders and then all pictures in the folder and its subfolders will be imported.

Search the current folder: After clicking [Import from Folder] and choosing "Search Subfolder", choose a folder including multiple subfolders and then pictures in the folder will be imported, but pictures in the subfolders will not be imported.

• Add New Face from live view

While in "Real-Time View" – the face inputs from face detection IPC and NVRs will come on the right pane. You can choose any face input and add it to the database by clicking on the + button. By doing so, the VMS will automatically open the "Add Face" interface

• Modify or delete faces:

Double click a library name to show its targets. Double click the area you want to modify and then

modify it. Then a "*" symbol will show in the front of the number. If you want to recover the configuration, click [Reset]. This symbol will disappear after clicking [Apply] to save the modification.

Note: if you have already applied your modification, you cannot reset the previous settings.

Select the target information and click [Delete] to delete this target. Click [Clear All Faces] to clear all targets in this library.

If there are too many targets listed, you can enter the keywords in the search bar to search the desired targets.

Delete	Add Face	Add Mu	tiple Faces	Import Fr	om Folder	Clear All F	aces Cu	stom Exp	oort App	ly Reset		
	Edit	Name	Birth Date	Gender	ID Type	ID No.	Country	Province	City	Status	Delete	
		Uri	2020-07-14	Male	ID Card					Success	Ū	

14.1.2 Real-Time View

If the IPC supports face detection, you will view the face capture picture. The screen display mode: 1/4/9/16 can be selected.



		Add Face			×
	Name:		Birth Date:	2020-08-17	<u>^</u>
<u>т</u>	Gender:	Male 🗸	Country:		
Add	Province:		City:		
	ID Type:	ID Card 🗸			
	ID No.:				
	Remark:				
				OK	Cancel



Put the cursor on the captured picture and then click + to add the captured picture to the library. Select the library on the left and then fill out the information on this target. Click [OK] to add.

		Add to Face Database	×
	Face Database	Add Face	
	8- 💑 Analytics Server		
		Name: Gal Birth Date: 2020-08-23]
		Gender: Male 🗸 Country:]
		Province: City:]
		ID Type: ID Card 🗸	
A second		ID No.:	
and a series of		Remark:	
10		OK Cancel	

Put the cursor on the captured picture and then click **S** to quickly search images by this picture.

Real-time View Search by Face		earch Fac	e Database N	1anagement Configura	tion				
Face Recognition NVR	ſ	Search Result							
Search	Q	Track List \	/iew E-№	lap Track View					
 □ ○ Check □ ○ ○ offault area 		•							Î
			1	2020-08-23 11:33:51	NVR Israel_2nd Floor				
				2020-08-23 11:33:52	NVR Israel_2nd Floor		۲		
		•		2020-08-23 11:33:53	NVR Israel_2nd Floor		۲		
Select Image		•		2020-08-23 11:39:39	NVR Israel_2nd Floor		۲		
1		•		2020-08-23 11:39:42	NVR Israel_2nd Floor		۲		
		•		2020-08-23 11:41:35	NVR Israel_2nd Floor		۲		
Start Time 2020-08-23 00:00:00 End Time 2020-08-23 23:59:59 Max. Number 100				2020-08-23 11:41:36	NVR Israel_2nd Floor		∢		
Similarity(%) 75 Search Previous Na	ext	Select All	Invert	Clear All Playback	Selection				
				Authe	ntication Server Address: 127.0.0.1	Port: 6003 Use	r Name: admin	CPU: 24% Memory: 70% 2020-08-23 12:10	:21 🤷

Put the cursor on the captured picture and then click 🗳 to quickly download the captured picture.



Double click it to view the matched details.



14.1.3 Search by Face

Click on the "+" icon to select a face image for searching. You can also use the "Real-time view" results as described above.



Select device / devices of which you wish to search for the face. More than one device can be selected.

The results will appear automatically in the "Track List View" as seen below:

٢s	earch Result						
	Track List V	/iew E-N	1ap Track View				
	•	No.	Time	Video Point	Picture	Playback	
	•		2020-08-23 11:33:51	NVR Israel_2nd Floor		۲	
	•		2020-08-23 11:33:52	NVR Israel_2nd Floor		\bigcirc	
	•		2020-08-23 11:33:53	NVR Israel_2nd Floor		ightarrow	
	•		2020-08-23 11:39:39	NVR Israel_2nd Floor			
	•		2020-08-23 11:39:42	NVR Israel_2nd Floor			
	•		2020-08-23 11:41:35	NVR Israel_2nd Floor		۲	
	•		2020-08-23 11:41:36	NVR Israel_2nd Floor		\bigcirc	
	Select All	Invert	Clear All Playback	Selection			Y

Click on for

for instant playback in a pop-up window.

Select several clips and click on "Playback Selection" to playback all of the selected clips in a pop-up window.

If an E-Map is in use, you can switch to "E-Map Track View" and see the result on the E-Map.

14.1.4 Search

- (1) Go to Face Recognition \rightarrow Search interface.
- (2) Select the source channel (More than 1 can be selected)
- ③ Select the captured match pictures from the intelligent server or face recognition NVR.
- ④ Put the cursor on the captured picture and then click Search images by this picture. (You will be automatically redirected to the "Search by Face" interface)

Select compare channels

Put the cursor on the captured picture and then click 🗳 to quickly download the captured picture.



14.1.5 Face Database Management

From this interface you can manage the remote databases of the NVRs. Please refer to chapter 13.1.1 for further details.

14.1.6 Configuration

14.1.6.1 Task (No configuration available) 14.1.6.2 Link camera to Sub-screen	Selectable Channel	Î	Selected Channel
From here you can assign a camera to a face attendance and face greeting task.	✓ Check ■ DI-320IPE-28	>	
Double click on the relevant take to open the following window:	✓ ■ default area	<	
	NVR Israel_2n		
Assign specific cameras by selecting it and clicking on L. Assign all cameras	NVR Israel_BX		
by selecting	NVR Israel_Ba		
	NVR Israel_Ba	»	
Unassign specific cameras by selecting it and clicking on \checkmark . Unassign all cameras by selecting	NVR Israel_D	~	<
			OK Cancel

14.1.6.3 Face Detection Algorithm Setting

Set the similarity and FTP as needed. If FTP is configured, the captured face pictures will be automatically uploaded to FTP server

Task Link Camera to Suk	Eace Detection Algorith	m Sotting Black and white list	nonBoy sotting	Face access permission se	tting
Task Link Camera to Suc	race Detection Algorith	Diack and white list	poppox setting	race access permission se	ung
Similarity		IA Serve	r configuration		
Similarity(%)	75			Analytics	Serve
	Refresh OK	🗹 Enab	le subscribe face	detection with face comparat	ion
				Refresh	
Send Captured Pictures to FTP					
Enable FTP					
FTP Server Address					
FTP Server Port 21					
Anonymous					
User Name	Password				

14.2 Face Greeting

The setting steps are as follows:

- ① Create an object library and add targets for this library (See 14.1.1 Object library for details).
- ② Select the schedule, face capture type and face match type (See 14.1.2 Task Management for details).

③ Set camera deployment. Drag the camera name to the preview window. When there are targets detected, the match result will be displayed on the right panel.

(3) View the match result of the greeting screen. Go to Face Surveillance \rightarrow System \rightarrow Select projection compare channels to configure cameras used to compare faces. In this interface, right click on the small screen to select "Projection" to select a face greeting screen. Then you will see the face display on the face greeting screen as shown below.



④ Search the face greeting records. Click the "VIP Search" tab as shown below.

You can enter the keyword to search the target or manually select the target from the library. Then set the start time and the end time and click "Search" to search the record. The detailed information on this target will be viewed. Click () to play the record. (5) Display Setting. In this interface, greeting screen background style, screen mode, VIP box style, face greeting language and so on can be

Greeting Screen Background Style	Video	Screen Mode 1 🗸
VIP Box Style	With borders 🗸	
Greeting Language	Welcome	
Max. Number of VIP Boxes (1-5)	3	
Duration Time of VIP Box(es)	5	
Playback Loop	•	
Single VIP Cycle Time (s)	20	
Single VIP Box Size (ranges from 10% to 99%)	60	

Greeting Screen Background Style: three options: Video, Background Picture, and Pure Color Background

Screen Mode: 1/4/9/16 screen display mode can be selected.

VIP Box Style: with borders or pure image.

set up.

Face Greeting Language: please enter the content as needed.

Max. Number of VIP Box: up to 5 boxes.

Duration Time of VIP Box: set the duration time of the VIP box appearing after the captured face is matched successfully.

Loop Playback: if enabled, the VIP name will be broadcasted in a loop.

Single VIP Cycle Time: set the time of the single VIP name broadcasted.

Single VIP Box Size: set the percentage of VIP box size occupying the entire screen

14.3 Face Attendance

Setting the face attendance requires several steps in order to work properly. Please follow the steps below carefully.

14.3.1 Staff Management

Staff management is actually linked to the face database. You can use a database already created for face recognition, just make sure that all the employees are within a unique database that doesn't contain any other unrelated people. The setting steps are as follows:

- ① Create a face database and add targets for this library (See 14.1.1 Face Database for details).
- ② Select the schedule, face capture type and face match type (See 14.1.2 Task Management for details).
- ③ Set camera deployment. Drag the camera name to the preview window. When there are targets detected, the match result will be displayed on the right panel.

14.3.2 Task (Camera Assignment)

The task assignment is used to assign face recognition cameras to the face attendance task. In order to properly configure the tasks, you must have at least one face database created and linked to an active face recognition device.

Step 1: Assign face recognition cameras to handle the face attendance task:

- (1) Go to Face Attendance \rightarrow Task \rightarrow Task (Tab)
- (2) Choose the cameras you which to assign for the face attendance task

Tas	Attendance settings						
Task							
V	ideo Point	Apply					
Sea ⊡" (arch Q	Channel Name	Face Datab…	Edit	Face Detection Source	✓ Schedule of so…	/
Œ	IPC (Online/Total number:···	EasyCheck_Entrance	Attendance		Empty		
	NVR Israel_2nd Floor	Face Attendance	Attendance		Face Recognition by IPC	7*24	
	NVR Israel_Back Counting NVR Israel_Back DDA	Main Passage	Attendance		Face Recognition by IPC	7*24	
	→ ■ NVR Israel_DMA390IP528	Front Door Face	Attendance		Face Recognition by IPC	7*24	

- ③ Click on the "Edit" Button. The following window will open:
- (4) Double click on the employee database on the left tab.
- (5) Set "Type" to Recognized, and click on "Ok".
- 6 Select the "Face Detection Source" and set "Face Recognition by IPC".
- \bigcirc Set the task schedule (24x7 recommended).
- ⑧ Click on "Apply" to save all changes.



Step 2: Assign the face recognition cameras to entrances/exits:

- (1) Go to Face Attendance \rightarrow Task \rightarrow Attendance Settings (Tab)
- (2) Click on a single camera or an area containing several of the cameras assigned to handle time attendance.

Staff Ma	anagement Camera	Deplo	yment	Task	Wo	rking Day Set	ting	Attendance Record	Statistics
Task	Attendance settings								
Area			Chai	nnel Nan	ne	Entranc…			
Search	ult area	Q	EasyChe	ck_Entra	ance	Enter			
	PC		Face Atte	endance		Enter			
🦾 🏠 te	est		Front Do	or Face		Enter			
	k		Main Pas	sage		Enter			

3 Set each one of the cameras as "Enter" or "Leave" so the system knows if a person is coming in or going out.

④ Click on "Apply" to save all changes.

14.3.3 Working Day Settings

In order to calculate the attendance, you need to set the working date and hours. All steps below must be properly filled. **14.3.3.1** Basic Configuration

Set the time of each day, where working hours will be locked and calculated. Default setting is 00:00



14.3.3.2 Attendance Period

Set the basic working times for each day. At least one attendance period needs to be configured

Click on add to configure additional working times (For example, separate working week days from working weekends).



After clicking on "Add", the following window will open. We will go through the different form fields:

- 1) Period: The period name. Can be any name (For example: Week Days)
- 2) Go to work time: The official work start time.
- Valid sign in time: The time range within a worker can sign into work (signing outside this range will not be recorded)
- Valid sign out time: The time range within a worker can sign out of work (signing outside this range will not be recorded)
- 5) Work hours: Automatic calculation of working hours based on the input above
- 6) Over: Set the timing of what is considered late and what is considered absent when signing in after the official start time.
- Advance: Set the timing of what is considered early and what is considered absent when signing out before the official end time
- 8) Work overtime setup: Set overtime levels.

Basic setup:
Period: 9:00-18:00
Time setup:
Go to work time: 09:00 🔅 Valid sign in time: 07:30 🔆 - 10:30 🔆 🗹 Must be sign in
Time from work: 18:00 🔶 Valid sign out time: 16:30 🔶 - 19:30 😌 🖬 Must be sign out 🔶
Work hours: 9.00 hours
Over: 30 minute is late Late over: 60 minute is absenteeism
Advance: 30 minute is leave early Leave early over: 60 minute is absenteeism
Work overtim setup:
After off-work : 0.8 hour sign is Work overtime 1
After off-work : 1 hour sign is Work overtime 2
After off-work : 1.2 hour sign is Work overtime 3
Dinner time: 0 💮 Mins

14.3.3.3 Attendance Shift

Set the basic shifts. If you are not working in shifts, set up at least one shift and assign an attendance period to it.

Click on "Add" to open the shift configuration window:

Staff Management	Camera Deployment Task Working Day Se	ting	Attendance Record Statistics
Basic configuration	Shift		
Attendance period	Add Delete Search C		Shift name: Default shift
Attendance shift	Shift name Edit De	eti	Shift cycle: 1 🗸 day 🗸
Attendance deal	■ Default shift 🗾 [Ū	No. Time 🗠 period 🗸
			1 day 1 Week Days

Set the shifts and set the period for each one of the shifts.

14.3.3.4 Personnel Scheduling

Set working schedule to workers.



Click on a worker's name to open the schedule. Click on "Scheduling" to assign a schedule, and set the duration of the schedule.



14.3.3.5 Attendance Deal

This interface allows you to set special attendance records such as sick leave, maternity leave, personal day off etc.

Staff Management	Camera Deployment Task Working Day	Setting Attendance Record	Statistics					
Basic configuration	Staff List	Patch Leave/B	usiness-trip					
Attendance period	Search	Q						
Attendance shift	🗉 🙁 Pikok	<						>
Personnel scheduling	- Ami - Asaf	Sun	Mon	Tue	Wed	Thu	Fri	Sat
Attendance deal	- David - Evgeny - Lena - Maxim - Sagi - Shani - Tal - Tal	31 7	1 •	9	3 10	4	5 12	6 13
	 Soppio 							

Click on an employee's name, click on a date and then on "Leave/Business Trip". The following window will open.

Here you can mark the event type (Leave, Paid Leave, Business Trip), and the sub type.

Use the **second** icon to edit the event and sub event types, and set weather an event should be paid for or not.

View the match result of the sub-screen. Go to Face Surveillance \rightarrow System \rightarrow Select projection compare channels to configure channels used to compare faces. Right-click on the screen to select "Projection" to select sub-screen. Then you will see the face display on the sub-screen as shown below.

View the attendance records. Select the target and search condition (by day, by week, by month, etc.) to search the records as below.

Add leave/business trip processing 🛛 🗙											
2021 •Year 2 •Month											
	Sun Mon Tue Wed Thu Fri Sat										
	31	1	2	3	4	5	6				
	7	8	9	10	11	12	13				
	14	15	16	17	18	19	20				
	21	22	23	24	25	26	27				
	28		2		4						
				10	11	12	13				
		Type L	eave			\checkmark					
	Sub ⁻	Type S	ick leave	2							
	Leave	time 0	9:00 🔶	18	:00 🔶						
	Remark										
					Can	cel (ок				

14.3.3.6 Attendance Record:

This interface allows you to get an attendance report on each one of the workers registered in the "Staff Management". Click on the employee's name, choose the type of report you wish to get, and click on "search". The required information will show as below.

PROVISION IS Ossia CMS		A Home	Local Configuration Face Greeting Face	ce Attendance Face Recognition	+	View Sy	stem Settings Help — 리 🗙
Staff Management Camera Deployment	Task Atte	endance Record	Working Day Setting				
Staff List	By Day	By Week	By Month Customize Filter	•			Q Export
Search Q B- B Easy Check	No	Name	Department Type of w	Staff Number Time	Attend St Wo	ork Overtime Earliest Tim	e Latest Time
Easy Check_dep		Tal	Easy Check_dep	2020-08	-10 Unrecorded N	o Overtime	
P Test		Tal	Easy Check_dep	2020-08	-11 Unrecorded N	o Overtime	
		Tal	Easy Check_dep	2020-08	-12 Unrecorded N	o Overtime	
		Tal	Easy Check_dep	2020-08	-13 Unrecorded N	o Overtime	
		Tal	Easy Check_dep	2020-08	-14 Unrecorded N	o Overtime	
		Tal	Easy Check_dep	2020-08	-17 Unrecorded N	o Overtime	
		Tal	Easy Check_dep	2020-08	-18 Unrecorded N	o Overtime	
		Tal	Easy Check_dep	2020-08	-19 Unrecorded N	o Overtime	
		Tal	Easy Check_dep	2020-08	-20 Unrecorded N	o Overtime	
		Tal	Easy Check dep	2020-08	-21 Unrecorded N	o Overtime	
		Tal	Easy Check dep	2020-08	-23 Unrecorde N	o Overtime 12:46:47	12:48:22
		Tal	Easy Check dep	2020-08	-24 Unrecorded N	o Overtime	
		Tal	Easy Check dep	2020-08	-25 Unrecorded N	o Overtime	<u></u>
	19	Tal	Easy Check dep	2020-08	-26 Unrecorded N	o Overtime	
	20	Tal	Easy Check dep	2020-08	-27 Unrecorded N	o Overtime	
Name Tal		Tal	Easy Check dep	2020-08	-28 Unrecorded N	o Overtime	
Department Easy Check_dep		Tal	Easy Check den	2020-08	-31 Unrecorded N	o Overtime	
Staff Number			Los) energaep				, P
			Authentication Server Addr	ress: 127.0.0.1 Port: 6003	User Name: admin	CPU: 20% Memory: 68%	2020-08-23 12:50:08

Click "Export" to export the attendance record. You can open the exported record file by Microsoft Excel. The earliest record and the latest record can be played by click the corresponding play button.

14.4.1 Task Management

Go to Home \rightarrow People Counting \rightarrow Task Management.



The following interface will open:

	Task N	Management		×
Video Point	No.	IP Channel Name	Schedule	✓ One-key .
Search Q default area (Online/Total n	1	Back Counting	Off	Ū
Back Counting	2	Street Counting	Off	Ū
	< Contract of the second secon	lert Please wait		Apply

Please note: People counting analytics is available only if the IPC was added directly to the VMS. If the camera was added through an NVR, it will not be seen in this interface.

The reading of the counters from the camera and counter calculations are done by the VMS Analytics Server. In this window you assign the counting task to it. Set the counting schedule for each one of the cameras (It is not related to the analytics on the camera itself. Even while off, the camera counter will continue working as configured).

In the "Voice Alarm Alert" you can set a text that will be announced by the VMS software once one of the counters has reached its limit.

14.4.2 Real-time Statistics

Go to Home \rightarrow People Counting \rightarrow Real-time Statistics. Select the cameras you wish to see statistics of and click on "Apply". If more than one camera is chosen the statistics will be summarized for all the cameras together.

The information is grouped by several topics:

1) Passenger Flow Statistics: The information showing the total counters of the cameras from the selected day vs. a time for reference that can be chosen from the drop list as follows:



2) Passenger Traffic Statistics: This graph is showing the passenger flow based on time of the day.



3) Proportion of incoming passengers' traffic in each channel: This cake graph shows the deviation of incoming traffic based on each one of the cameras



4) Proportion of passengers traffic in each channel: This cake graph shows the deviation of general traffic based on each one of the cameras



5) Statistics and time deviation for each channel: This interface shows a table of traffic based on camera and time of the day.

Statistics of different types of people in each channel										Export	
Location name	Туре	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	Subtotal	Average
	Enter	0	0	0	0					99	4
Back Counting	Exit	0								93	3
	Enter	0								31	1
Street Counting	Exit	0								34	1
	Enter	0								130	5
lotal	Exit	0								127	5
	Enter	0								65	-
Avérage	Exit	0	0	0	0	63				63	

6) Proportion of People Statistics: This table shows the percentage of passengers based on camera.

Proportion of I	Proportion of People Statistics Export							
Monitoring Point	Entering passengers	Proportion of passengers entering	Exiting passengers	Proportion of departure passengers				
Back Counting	69	73.40%	67	68.37%				
Street Counting	25	26.60%	31	31.63%				
Total	94	100.00%	98	100.00%				

Each one of the statistics interfaces can be exported to an excel file.

Some of the interfaces contain live view capability with live statistics (Can be identified by the Dicon). Clicking on it will open the following interface:

This interface contains live view video of the channel together with the Counting ROI Arrow and entry/exit directions.

It also includes a simple interface showing the current status of the counters.



14.4.3 Heat Analysis

Go to Home \rightarrow People Counting \rightarrow Heat Analysis.

Before using Heat Analysis, please set E-Map by going to Home \rightarrow E-Map \rightarrow E-Map Setting first. Drag the camera with the people counting function to the specified area. You can also do it directly from the Heat Analysis interface by clicking on "E-Map Settings".



This interface shows a real-time status of the counting cameras. Double clicking on a camera or clicking on the camera preview icon will open the live preview window as described above.

14.4.4 Statistics Report

Go to Home→People Counting→Statistic Report is similar to the "Real-Time Statistic" interface, just that it was designed to each statistics of past days. Choose the required cameras for the report, the object type (Human/Vehicle/2-Wheel Vehicle), the report type (Daily/Weekly/Monthly/Annually) and the date of search, then click search. The interface description is identical to the "Real-Time Statistics.

Statistic type:	Human	~				
Report type:	Daily Report	~				
Date: 🛅 20	20/10/12					
Search						

14.4.5 Occupancy Control

Go to Home→People Counting→Occupancy Control. In this interface you set the counting tasks for the VMS. Click on the "+" icon to create a task. The following window will open:

- 1) Give the task a name
- 2) Assign the maximum allowed number in the monitored area.
- Set the type of object the task is monitoring (Human/Vehicle/2-Wheel Vehicle)
- 4) Set the counting schedule
- 5) Assign the cameras that will be assigned for this task. Tick the

required cameras and click on to add it. Click on it to add all available cameras. (Perform the opposite to remove cameras from the task)

6) Click "OK" to confirm. The task will be shown.



		Add	d ta	sk	×
Task name	Task 01				
Maximum threshold					
Туре	Human				
Schedule	7*24				
Selectable C	hannel			Selected Channel	
🔺 🔲 default area		(>		
Back Counti	ng	1	<		
Street Count	ting				
		1	»		
			«		
< 		• •		< 	• •
Search C	Select All In	vert Clear	All	ОК Са	ncel

Click on 🖆 to edit the task. Click on 菌 to delete the task. Click on 🔄 to view the current counters of the camera. Click on 🖄 to

switch to the live task monitoring view. Here you can see all the cameras video and the counters.



Each task is represented by the monitored object icon. Once the counter as reached the task limit, it will change from green to red "Stop" Sign.



15 LPR Monitoring

Before using the LPR Monitoring module, please add LPR cameras in the resource management interface.

15.1 System Settings

1) Go to Home \rightarrow LPR Monitoring \rightarrow System settings menu as shown below.

Close Gate after (Seconds) 15				
Left monitoring window driving lane:	Main Park_Gateway1_Lane1	Right monitoring window driving lane:	Main Park_Gateway1_Lane1	
 Main Park Sub Park1(Not Enabled) Sub Park2(Not Enabled) Sub Park3(Not Enabled) Sub Park4(Not Enabled) Gateway1 Gateway2 Gateway3 Gateway4 	Parking Lot Total Parking Number Remaining Parking Number	■ Enable		

2) Bind the LPR cameras to the monitoring points (Up to 2). Note that the left and right monitoring windows cannot be identical.

Left monitoring window driving lane: Main Park_Gateway1_Lane1 V Right monitoring window driving lane: Main Park_Gateway1_Lane2 V

 Activate the barriers and parking lanes by choosing the parking area and enabling it. You can enable the main parking area or up to 4 sub-parking areas. Note that they must be separated by a physical barrier.

⊡	Main Park	Parking Lot	Main Park	🗹 Enable
	Bub Park1(Not Enabled)	Total Parking Number	500	
	Image: Sub Park2(Not Enabled)	Demaining Darking Number		
	Image: Sub Park3(Not Enabled)	Remaining Parking Number	500	
	Image: Sub Park4(Not Enabled)			
	⊞– Gateway1			
	[⊞] Gateway2			
	⊞⊸ Gateway3			
	⊞ Gateway4			

If the sub parks are not in use, select one of the gateways. (Up to 4). Each gateway contains up to 4 lanes. Entrance and exit must be separated.

- Main Park - Sub Park1(Not Enabled) - Sub Park2(Not Enabled)	Lane Name Lane1 S Enable	eles 🥑 Temporary vehicles		
Sub Park3(Not Enabled) Sub Park3(Not Enabled) Sub Park4(Not Enabled)	ALPR Camera	Linked ALPR Camera		
Gateway1	🔺 🗖 Check			
Carlet Carlet	EC-001	>		
	■ 18320LPR			
	LED Scroop	Linked LED Screen		
		Арріу		

4) Choose the LPR camera and then click 🔰 add it. Click [Apply] to bind this camera to the lane. Choose the LPR camera and



- 5) Set the corresponding lane of the monitoring window. Then click [Apply] to save the settings. After that, you can go to the vehicle monitoring interface to view the live images of the left and right lane.
- 6) Set the delay time of closing the gate barrier. For example, it is set to 15s. Then the gate barrier will be automatically closed after it is opened for 15s. If "Permit temporary vehicle pass" is checked, the gate barrier will be automatically opened when unfixed vehicles and non-blacklist vehicles pass the LPR camera.

Once enabled, the Vehicle Monitoring interface will become active as configured

15.2 Vehicle Monitoring

After configuring the LPR camera binding, allocating the corresponding lanes of vehicle monitoring and adding vehicles to vehicle list, the captured vehicle picture and its detailed information will display on the following interface when the vehicle passes the LPR camera beside the lane and its license plate number is captured and recognized accurately by LPR cameras.

If the vehicle passing the lane is neither added to linked vehicle list nor blacklist and the temporary pass is not selected, this vehicle will be not allowed to pass automatically. You must click [Open Barrier] manually to let it in/out.



15.3 Vehicle Management

(1) Link vehicles to the parking lot. Go to the vehicle management interface. Click [Add] and then enter the license plate number, vehicle color, owner name, and phone number and choose the parking lot, vehicle type and start time and end time.

Add vehicle × License Plate(*) Parking Lot Main Park Linked Vehicle Vehicle Type Small vehicle Parking Type Vehicle Color(*) Owner Name(*) Owner Tel(*) 2020-08-23 00:00:00 Start Time End Time 2020-09-22 23:59:59 Description OK Cancel

To modify vehicle information:

Choose the vehicle you want to modify and then click [Modify] to pop up the modification window. Change the information as needed.

To delete the vehicle information

Select the vehicle you want to delete and then click [Delete] to delete this vehicle from the vehicle list.

If there are so many vehicles added in the current parking lot, you can view the desired vehicle information by filtering the license plate numbers.

15.4 Search

In this interface, the information of the vehicles entering and exiting the parking lot can be searched.

Set the filtering condition, such as the start and end time, license plate, vehicle type and lane.

Pass record: including vehicle information, entering/exiting time, parking lot, lane, pass type, etc. The passing record also can be modified as needed. Choose the passing record and click [Modify] to modify it.

Additionally, the captured vehicle picture also can be viewed on the right by clicking this record information. Click [Zoom in] to zoom in the picture; click [Download] to download the picture.

Vehicle Monitoring	Vehicle Mana	agement	Search S	System Settin	gs Block	List							Parking lot: 49	91/500
Search Pass Info Search	Start Time Vehicle Ty	2020-08-23 0	00:00:00 🔶	End Time	020-08-23 23:5 Unselected	i9:59 🔶 Lie	cense Plate:					Search Modify		
	No.												-	
		2020-08	3595353	Blue	Main Park	Gateway1	Lane1	Entrance	Small veh	admin	Automatic release		UTO I	20.01
		2020-08	71933501	Blue	Main Park	Gateway1	Lane1	Entrance	Small veh	admin	Automatic release		12	29-31
		2020-08	5774267	Blue	Main Park	Gateway1	Lane1	Entrance	Small veh	admin	Automatic release		-	
		2020-08	89479701	Blue	Main Park	Gateway1	Lane1	Entrance	Small veh	admin	Automatic release			
		2020-08	8464338	Blue	Main Park	Gateway1	Lane1	Entrance	Small veh	admin	Automatic release		Zoom In	Download
		2020-08	86001501	Blue	Main Park	Gateway1	Lane1	Entrance	Small veh	admin	Automatic release			
		2020-08	1882464	Blue	Main Park	Gateway1	Lane1	Entrance	Small veh	admin	Automatic release			
		2020-08	1401975	Blue	Main Park	Gateway1	Lane1	Entrance	Small veh	admin	Automatic release			

15.5 Blacklist Vehicle

Add vehicles to a blacklist. Click [Add] to pop up an adding window. In this window, you can fill out the detailed information of the blacklist vehicle, such as license plate number, vehicle type, vehicle color, owner name, etc.

To modify vehicle information:

Select the added vehicle and click [Modify] to modify the information of this vehicle.

To delete vehicle information:

Select the added vehicle and click [Delete] to delete it.

To search the vehicle information:

Enter the license plate number and then click [Refresh] to view the information of blacklist vehicles.

The vehicles added to the blacklist are not allowed to pass, even if the license plate number is captured by the LPR camera.

Note: The vehicles that have been linked to a parking lot can not be added to blacklist, and vice versa.

Add Block List							
License Plate(*)		Vehicle Type	Small vehicle				
Vehicle Color(*)		Owner Name(*)					
Owner Tel(*)							
Description							
	ОК	Cancel					

•

16 Temperature Measurement (Not Applicable for DT-MSCL-S(DT))

16.1 Task Management

Go to Home \rightarrow Temperature Measurement \rightarrow Task Management.

PROVISION JE Ossia CMS Live Preview Search Statistic	5	Home People Count	III operation and Maintenance Ma	inagement Temperature Meas	Clic	view Svete Help - a
Uideo Point Q. Search Q. ■ Ĝ default area (Online/Total n		80	0			Abnormal reco
	Pass-Through Records		• • • • • • • No data			Snapshot statistics in recent 7 days
			Authentication Server Address: 12	7.0.0.1 Port: 6003	User Name: admin Cl	PU: 15% Memory: 50% 2020-10-12 10:37:22 📠

The following window will open:

	Configuration	×
Temperature unit	C The device will be rebooted after you change it.	
Abnormal temperature thresh	old 37,3	
Start time	2000-01-01 00:00:00	
Record validity	30 🔶 day	
Pop up automatically	-	
	🧭 Automatically pop up 🔲 Pop up non-mask alarm box	
Data display		
Do not display normal data		
Data sources for Temperature T	ablet	
Comparison data	 Detection data 	
Voice prompts		
Fever voice prompt Ter	nperature abnormal	
Non-mask voice prompt Ma	sk Off	
	Apply	

Here you can set the local variables for the EC-001 device. Please note that the settings here are not reflected to the EC-001 but only valid for the Ossia VMS.

Any change in this interface required a reboot once you confirm it.

Ossia VMS Enterprise User Manual

16.2 Live Preview

Go to Home \rightarrow Temperature Measurement \rightarrow Live view.



Area Description

Area	Description	Area	Description
1	Live View Area	4	All detections
2	Statistic Area	5	Traffic Flow Graph
3	Detections Requiring Attention		

16.3 Event Handling

Any suspicious event requires attention by the operator. Such event will pop up (as configured) for the operator to handle. (see pop up example below). It is the responsibility of the operator to fill as much details as possible about the event and the entering person. Once confirmed, the event will be saved and logged. No changes/edits can be done after the event was confirmed by the operator. Also, the name of the operator will be attached together with the time of event closure.

Alarm Handling				
	2			
Snapshot Camera	EasyCheck entranc	Snapshot Time	2020-10-	12 10:48:07
Temperature	36.7°C	Suspected Fever	No	
Mask Status	Mask Off	Infected Area		\sim
Status	v	Name		
Phone Number		ID Number		
Address)
Remark				
Pop up automatica	ally 🥌	Previous	Next	Save

16.4 Search

Go to Home \rightarrow Temperature Measurement \rightarrow Search

The search interface is used to search and investigate for suspicious events that requires additional attention. Use the search interface filters to search for specific information or click search to show all information from the specified dates.



16.5 Statistics

Go to Home \rightarrow Temperature Measurement \rightarrow Statistics

Use this interface to show statistics of one or more EC-001 devices.



Statistics by Camera Export													
Device name	type	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	total
EC-001	Abnormal Temp	0	0	0	0	0	0	0	0	0	0	0	
	Total Pass-Thro	0	0	0	0	0	0	0	0	0	0	0	0
	Mask Off	0	0	0	0	0	0	0	0	0	0	0	0
EasyCheck entranc	Abnormal Temp			0	0		0	0		0		0	
	Total Pass-Thro			0	0		0	0		1		2	
	Mask Off	0	0	0	0	0	0	0	0	0	0	1	
total	Abnormal Temp	0	0	0	0	0	0	0	0	0	0	0	
	Total Pass-Thro	0	0	0	0	0	0	0	0	1	0	2	3
	Mask Off	0	0	0	0	0	0	0	0	0	0	1	1
		< 											>

This information can be easily exported to an excel file by clicking on the "Export" Button.

17 Server / Client Modes (OC-MSCL-S(DT) Model Only)

All the server devices (OC-MS-XL(1U), OC-MS-M(DT), and OC-MSCL-S(DT) has an integral client that connects to the internal server by loop back (127.0.0.1). OC-MSCL-S(DT) server can also switch modes from "Server" to "Client". In order to change modes, click on "System Settings \rightarrow Switch User"

While on "Server Mode", the login window will just require username and password (Will automatically connect to 127.0.0.1).



While on "PC-Client Mode", you will be required to input the server address and server port which you want to connect to.



18 Management Web-Client

All the server models have management web-client. It supports IE9/IE10/IE11, Firefox or Chrome browsers for all operations except of firmware updates. In order to install firmware updates, Please make sure that your browser supports the downloading and use of the Web Client. (Only Latest IE, and old versions of Firefox and Chrome).

Login

Input the IP address or domain name of Authentication Server and the management web server port (By default, the port is 8000). For example, http://192.168.50.3:8000/. Then input the user name and password you created in Account and Permission interface, select the language and platform and then click "Login" to log in to the IE client.



After logging in, you will be able to perform the following tasks: Network configuratiom, Port configuration and service activity (Enable/disable system services), Disk configuration (Applicable only for OC-MS-XL(1U)), Password change, system maintenance (Update, Reboot, Shutdown).

PROVISION []R Ossia CMS				
Network Config Port C	onfig Disk Config	User Config		
System Information	Device Basic Information			
Device Basic Information Date And Time	Product Model	OC-MS-XL(1U)		
	Firmware Version	20161205		
System Maintenance	Software Version	2.1.2.00908_x64	l_StandNeutral	
Device Upgrade Device Reboot	Software Upgrade Time	20201027.0923s		
	Server Time	2021-02-14 10:08:31		
	Server Runtime	0:43:29,0 Days		
	CPU Used	12.57%		
	Memory Used	2544M		

19 Operational Web-Client (OC-MS-CL(1U) Server Only)

19.1 Operating Environment of Web Client

The web client supports IE9/IE10/IE11, Firefox or Google browser. Please make sure that your browser supports the downloading and use of the Web Client. Here we take IE Client for example.

> Check whether the IE browser prohibits Active X control from downloading:

Open IE browser, click \longrightarrow Internet Options \rightarrow Security \rightarrow Custom level...to pop up a security settings window. Then enable all suboptions under "Active X controls and plug-ins".

> Check whether there are other components or antivirus to stop downloading Active X control. Please close other components and configure antivirus and firewall to allow the installation of the plugin files.

19.2 Start IE Client

Before starting the IE client, make sure all servers must be started first.

Login

Input the IP address or domain name of Authentication Server and the web server port, for example, http://192.168.50.3:8088 (In this example, IP address is 192.168.50.3. The default webserver port is 8088) to go to IE Client. Then input the user name and password you created in Account and Permission interface, select the language and platform and then click "Login" to log in to the IE client.

	Username	Please enter username.
	Password	Please enter password.
	Login to:	Monitor Client 🛛
Ossia CMS		Login

Please download the relevant Active X controls according to the tips if you log in to the IE client for the first time.



In the platform interface, users can modify the login password and remotely set the monitor client and configuration client. In the web monitor client, click "Return to Configuration" to go to the web configuration client. In the web configuration client, click "Return to Monitor" to go to the web monitor client. In the web monitor client. In the web monitor client. In the web monitor client or configuration client, click the platform logo to return to the platform interface. The operation steps of this web client interface are similar to the monitor client. Please refer to the relevant chapter for details.

20 Mobile APP Surveillance

- (1) Run the "Play Store" or "APP store".
- (2) Search "Ossia VMS" and install it.

Note: Users can install mobile surveillance APP through iOS or Android OS. The operation steps of both APPs are similar, with minor differences between the iOS and Android Apps. Here we take the surveillance APP of Android OS for example. Please refer to the actual operation interface for details.

③ Run "Ossia VMS2" to go to the following interface.



In the live interface, click and then select "Server List". This will take you to the Server List interface. Then click to add devices.

> Login by domain name or IP address

IP address: Enter the IP address of the authentication server plus its port (like $210.21.228.183{:}6003)$

Nickname: Self-define it.

Username/password: Enter the username and password of the Ossia VMS.

Click "Save" to go to the live interface.

Note: This APP only allows adding one platform of Ossia VMS.

• : Green icon means the platform is connected successfully; the flash icon means the platform is being connected; the grey icon means the platform is unconnected.

 $\boxed{\bigcirc}$: Click it to delete the platform.

Click it to modify the platform information.



20.1 Live





Click \rightarrow to expand the area menu and then select a camera to view live video.

Click [<] button at the bottom to return to the previous interface. Double click the window to see full window; double click it again to switch to original status.

Icons	in the live interface
	Idle mode
	Remote playback.
$\langle -$	Click it to play the previous channel group.
\rightarrow	Click it to play the next channel group
	Close all previews
H	Click it to choose 1/4/9/16 screen(s) display mode. Click and hold it to choose more screen display modes.
())	Click it to enable/disable audio.
	Start Talk
Ĵ.	Device List
<	default area>demo nyr>Device Name

: The path of the viewed device.

Turn your phone and make the live image display in landscape mode or go to the full-screen mode. Then the following icons will be displayed by clicking the current image.


PTZ Control

The added device must support PTZ function, or PTZ mode cannot be enabled. Click button to see the following image.



+ [†] +	PTZ Movement
	Focus Control
\bigcirc	Iris Control
*	Presets control
©\$	Cruise control
\mathbf{x}	Close interface

Please control the PTZ by sliding the image in direction of the arrow marked on the image. The PTZ will automatically focus on the little red circle by clicking the image. Then the 3D function can be enabled (the added device must support 3D function, or this function is ineffective).

20.2 Remote Playback

Records stored in the storage server and device can be played.

There are two ways to play records.

- In the live view mode, click to switch to the remote playback interface. The records of the current channel will be played.
- In the live interface, click it to switch to the remote playback interface and then click it button to select a camera to playback.



1 Select date and event type

2 Click the corresponding icons to control playback

(3) Click button to finish playing.

Icons in the playback interface.

: Choose the recording mode.

 (\Box) : Click it to choose a date.

: Click it to choose the channel.

Frame. Pause the current play and then click this icon to play the next frame.

Rewind
Fast forward
Play
Rewind
Pause

E: Stop playback

20.3 Alarm Information

This function is only available for the iOS version.

Go to the alarm information interface as shown below.

- 1 In this interface, you can view the <u>alarm</u> information.
- (2) Search alarm information: click \checkmark to select the alarm type.
- 3 Click one item of the alarm list to read it.
- (4) Click $\boxed{\bigcup}$ button to delete the alarm information.

21 Troubleshooting

1. How to modify the password by yourself?

Login monitor client and then go to the Account and Permission interface. Select the account and click 🗹 to modify the password.

2. Unable to login IE client.

1) Please check whether the Active X control is forbidden to download and refer to the operating environment in the Operating Environment of Web Client.

2) Please check whether the IP address input in the browser address bar is right.

Suppose the LAN IP address of the authentication server is 192.168.50.3, WAN IP address is 58.251.86.194, the domain name is authentication.meibu.com and Web port is 8088. If logging in to the IE client in LAN, please input HTTP://192.168.50.3:8088, or HTTP://58.251.86.194:8088, or HTTP:// authentication.meibu.com:8088; If logging in to the IE client in WAN, please enter HTTP:// authentication.meibu.com:8088; or http://58.251.86.194:8088 (only when the WAN IP is a fixed IP, will it take effect).

3. Some service works abnormally after all servers start.

- 1) The computer needs to restart after installing the servers.
- 2) If other services work abnormally, please check whether the corresponding port is occupied. Please open the task manager and then click the Service tab to check.

4. The device information cannot be seen or the device is offline after the user logins to the monitor client.

1) Please check whether this user account is an administrator account. If this account is an operator account, please check whether it has the authority to view the device information.

- 2) Please check whether the media transfer server of the device has been started.
- 5. The alarm information cannot be received after the user logins to the monitor client.
- 1) Please check whether the schedule of sensor alarm, motion detection alarm and so are set in the Ossia VMS system.

2) As for the remote login device in the monitor client, please check whether alarms and alarm schedules of the remote login device have enabled.

6. The record cannot playback after the user logins to the monitor client.

1) Please check whether the storage server is online. If it is online, please check whether this account logged on has playback permission.

2) Please check whether the record source selected has record data. If you want to get record data from a storage server, please check whether to set the record schedule of the storage server or not.

3) Check whether there are record data in the playback channel and whether the record source and the start time and the end time of the playback are set up correctly.

4) Please check the record schedules of the storage server are set correctly.

7. The configuration of devices cannot be modified remotely after the user logins to the monitor client.

1) When the device configuration is required by the monitor client and prompt "Someone is configuring. Please try later", please open the IE browser to login to the device remotely and then go to "Online user" interface to see if there are any other users logging in.

2) Please go to live to see whether the device is being set up.

3) If the problem still exists, please contact your device manufacturer.

8. The preview image on the client cannot display fluently.

1) Please check whether the CPU occupancy rate of the client platform is 100% or there still has usable memory. This situation will not emerge when the CPU occupancy rate is less than 75% and there still has usable memory.

2) Please check whether the network environment is supported, including whether the uplink bandwidth of the device and stream match and whether the downlink bandwidth of the media transfer server and the streams of all channels of devices match.

3) Please check whether the media transfer server is overload operation.

9. After starting the authentication server and media transfer server, the storage server still cannot save.

1) Please check whether channels of devices are added to the storage server.

Notes

1. Please use a super administrator or standard user (permission control is set to "Never Notify") to log in operation system, install and use servers and client software.

2. The specified AI face match host should be used together with the face recognition function of this Ossia VMS platform to manage the face picture database. Please contact your dealer to purchase the host.

3. It is recommended to add only one intelligent analysis server to the specified AI face match host in undertaking a comparison task.

4. The resolution of the surveillance client's monitor shall be more than 1280*960.

5. HDMI output should be used for the Linux model.

6. If you want to delete the files of service, please stop the service first.