



DAHUA TECHNOLOGY
MAKE YOUR LIFE SAFER



Eco-savvy 2.0



* Design and specifications are subject to change without notice.

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What is Eco-savvy 2.0

- Low Streaming
- Ultra Low-lux
- Power Efficient

Dahua Eco-savvy 2.0 series cameras are capable of providing higher performance with enhanced Ambarella S2LM chip which offers more benefits by adding new functions, including 4MP resolution, WDR and IVS. Besides, the sensor and structure of the new series have been improved to a new high level. All the above advancements make Dahua Eco-savvy 2.0 a cost-efficient solution which is suitable for a wide range of video surveillance applications, such as for hotels, factories, retail stores as well as schools and other office buildings.

The upgraded chip is more stable with reduced heat



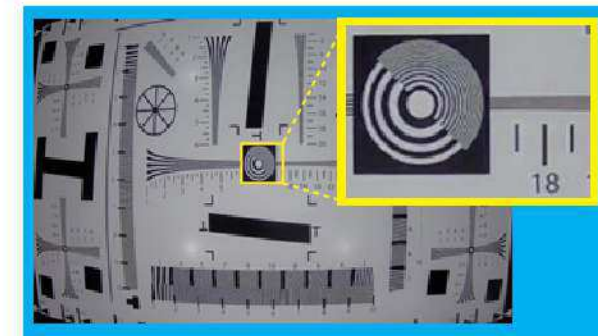
Image Size

Maximum 4MP resolution

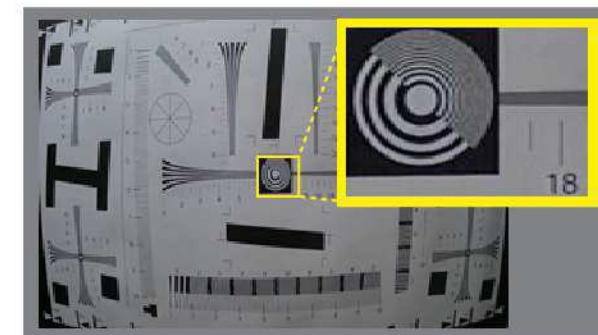


Definition

1000 TV Line



Eco-savvy 2.0 1080P

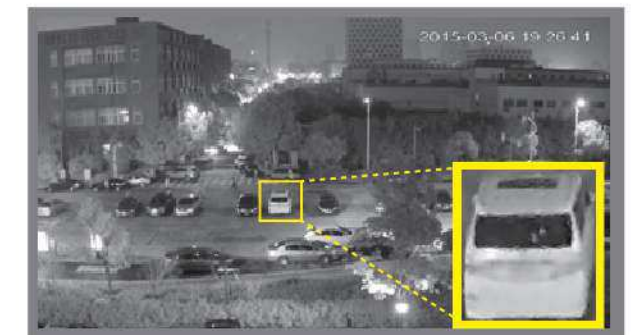


Others 1080P

Effective noise reduction



Eco-savvy 2.0 1080P



Others 1080P

WDR NEW

Wide dynamic range offers high performance in backlight and dark areas



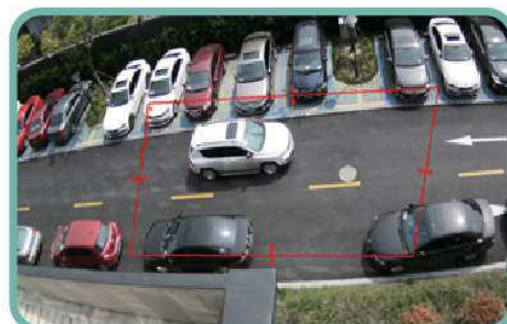
WDR OFF



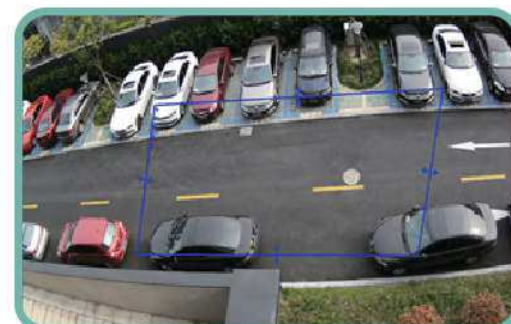
WDR ON

IVS (Intelligent Video System) NEW

Eco-savvy 2.0 supports IVS functions, tripwire detection, intrusion detection and face detection



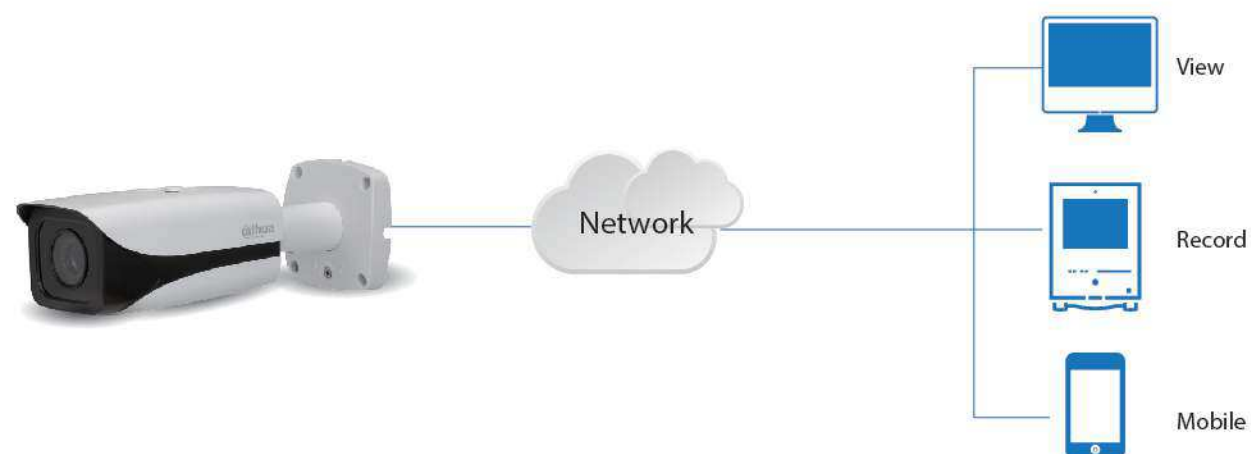
Alarm



Normal

Encode

3MP@30fps+D1@30fps+CIF@13fps/720P@2fps or 4MP@20fps+D1@20fps+720P@20fps

**New IR Wedge Dome****New IR Dome**

3-axis Adjustment

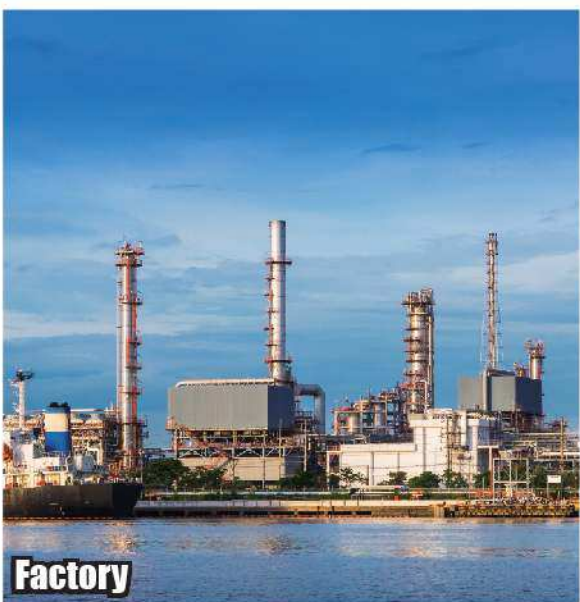


IR Light Sensor **NEW**

Light sensor makes day/night switchover more reliable



IDEAL APPLICATION



				
Model	IPC-HFW5121E-Z	IPC-HFW5220E-Z	IPC-HFW5221E-Z	IPC-HFW5421E-Z
Resolution	1280×960	1920×1080	1920×1080	2560×1440
IR	50m			
ICR	Mechanic			
WDR	120dB	DWDR	120dB	120dB
Lens	2.7~12mm			
Angle of view	H: 90°~29°	H: 99°~34°	H: 99°~34°	H: 100°~33°
Video compression	H.264H/H.264/H.264B/MJPEG			
Audio	1/1 Line in/out			
Compatibility	ONVIF PSIA CGI			
Memory Slot	Micro SD Card, up to 128GB			
Alarm	2/1 Alarm in/out			
Power	DC12V(AC24V optional), PoE (802.3af)			
Working environment	-40°C~+60°C, Less than 95% RH			
Ingress Protection	IP67			
Vandal Resistance	NA			

				
Model	IPC-HDBW5121E-Z	IPC-HDBW5220E-Z	IPC-HDBW5221E-Z	IPC-HDBW5421E-Z
Resolution	1280×960	1920×1080	1920×1080	2560×1440
IR	50m			
ICR	Mechanic			
WDR	120dB	DWDR	120dB	120dB
Lens	2.7~12mm			
Angle of view	H: 90°~29°	H: 99°~34°	H: 99°~34°	H: 100°~33°
Video compression	H.264H/H.264/H.264B/MJPEG			
Audio	1/1 Line in/out			
Compatibility	ONVIF PSIA CGI			
Memory Slot	Micro SD Card, up to 128GB			
Alarm	1/1 Alarm in/out			
Power	DC12V(AC24V optional), PoE (802.3af)			
Working environment	-40°C~+70°C, Less than 95% RH			
Ingress Protection	IP67			
Vandal Resistance	IK10			

			
Model	IPC-HF5121E	IPC-HF5221E	IPC-HF5421E
Resolution	1280×960	1920×1080	2560×1440
IR	NA		
ICR	Mechanic		
WDR	120dB	120dB	120dB
Lens	NA		
Angle of view	NA		
Video compression	H.264H/H.264/H.264B/MJPEG		
Audio	1/1 Line in/out , 1 Mic in		
Compatibility	ONVIF PSIA CGI		
Memory Slot	Micro SD Card, up to 128GB		
Alarm	2/1 Alarm in/out		
Power	DC12V&AC24V, PoE (802.3af)		
Working environment	-40°C~+60°C, Less than 95% RH		
Ingress Protection	NA		
Vandal Resistance	NA		

				
Model	IPC-HFW4120E	IPC-HFW4220E	IPC-HFW4221E	IPC-HFW4421E
Resolution	1280×960	1920×1080	1920×1080	2560×1440
IR	40m			
ICR	Mechanic			
WDR	DWDR	DWDR	120dB	120dB
Lens	3.6mm(6mm, optional)			
Angle of view	H:74°(47°)	H:84°(56°)	H:93°(63°)	H:84°(56°)
Video compression	H.264H/H.264/H.264B/MJPEG			
Audio	NA			
Compatibility	ONVIF PSIA CGI			
Memory Slot	NA			
Alarm	NA			
Power	DC12V, PoE (802.3af)			
Working environment	-40°C~+60°C, Less than 95% RH			
Ingress Protection	IP67			
Vandal Resistance	NA			

				
Model	IPC-HFW4120S	IPC-HFW4220S	IPC-HFW4221S	IPC-HFW4421S
Resolution	1280×960	1920×1080	1920×1080	2560×1440
IR	30m			
ICR	Mechanic			
WDR	DWDR	DWDR	120dB	120dB
Lens	3.6mm(6mm, optional)			
Angle of view	H:74°(47°)	H:84°(56°)	H:93°(63°)	H:84°(56°)
Video compression	H.264H/H.264/H.264B/MJPEG			
Audio	NA			
Compatibility	ONVIF PSIA CGI			
Memory Slot	NA			
Alarm	NA			
Power	DC12V, PoE (802.3af)			
Working environment	-40°C~+60°C, Less than 95% RH			
Ingress Protection	IP67			
Vandal Resistance	NA			

				
Model	IPC-HDBW4120E	IPC-HDBW4220E	IPC-HDBW4221E	IPC-HDBW4421E
Resolution	1280×960	1920×1080	1920×1080	2560×1440
IR	30m			
ICR	Mechanic			
WDR	DWDR	DWDR	120dB	120dB
Lens	3.6mm(2.8mm, 6mm optional)			
Angle of view	H:74°(86°/47°)	H:84°(106°/56°)	H:93°(120°/63°)	H:84°(106°/56°)
Video compression	H.264H/H.264/H.264B/MJPEG			
Audio	Optional			
Compatibility	ONVIF PSIA CGI			
Memory Slot	Optional			
Alarm	Optional			
Power	DC12V, PoE (802.3af)			
Working environment	-40°C~+60°C, Less than 95% RH			
Ingress Protection	IP67			
Vandal Resistance	IK10			

				
Model	IPC-HDW4120M	IPC-HDW4220M	IPC-HDW4221M	IPC-HDW4421M
Resolution	1280×960	1920×1080	1920×1080	2560×1440
IR	30m			
ICR	Mechanic			
WDR	DWDR	DWDR	120dB	120dB
Lens	3.6mm(2.8mm, 6mm optional)			
Angle of view	H:74°(86°/47°)	H:84°(106°/56°)	H:93°(120°/63°)	H:84°(106°/56°)
Video compression	H.264H/H.264/H.264B/MJPEG			
Audio	NA			
Compatibility	ONVIF PSIA CGI			
Memory Slot	NA			
Alarm	NA			
Power	DC12V, PoE (802.3af)			
Working environment	-40°C~+60°C, Less than 95% RH			
Ingress Protection	IP67			
Vandal Resistance	NA			

				
Model	IPC-HDBW4120F	IPC-HDBW4220F	IPC-HDBW4221F	IPC-HDBW4421F
Resolution	1280×960	1920×1080	1920×1080	2560×1440
IR	20m			
ICR	Mechanic			
WDR	DWDR	DWDR	120dB	120dB
Lens	3.6mm(2.8mm, 6mm optional)			
Angle of view	H:74°(86°/47°)	H:84°(106°/56°)	H:93°(120°/63°)	H:84°(106°/56°)
Video compression	H.264H/H.264/H.264B/MJPEG			
Audio	Optional			
Compatibility	ONVIF PSIA CGI			
Memory Slot	Optional			
Alarm	Optional			
Power	DC12V, PoE (802.3af)			
Working environment	-40°C~+60°C, Less than 95% RH			
Ingress Protection	IP67			
Vandal Resistance	IK10			