



CC8370-HV

Anti-Ligature Fisheye Network Camera



3MP · WDR Pro · 3DNR · 180° Panoramic View · IK10 · IP66 · SNV · Anti-Ligature · Anti-Grip

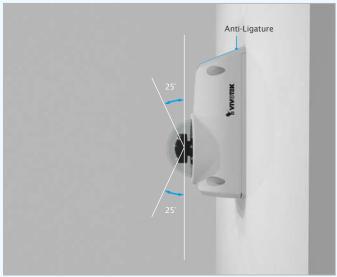
VIVOTEK's CC8370-HV is a vandal-proof fisheye network camera offering up to 30 fps at 3-Megapixel resolution. With its unique anti-grip design and inconspicuous appearance, the CC8370-HV plays a life secure guard role in unique security environments. Without ligature edges, it will effectively eliminate self-harm and suicide happen, ideal for detention house, holding cells, psychiatric ward, mental hospital, and correctional institution. Featuring 180' horizontal panoramic views with adjustable 25' tilt angle, the camera allows users amazing flexibility of viewing angles and options. The camera's weather-proof compact size also makes it an ideal choice for indoor and outdoor scenario such as boutique, convenience store, bank, school, parking lot and street.

The CC8370-HV can view at a wide angle of 180 degrees, providing complete video security with no dead angles. Featuring WDR Pro, the camera captures both the dark and bright areas of an image and combines the differences to create a highly realistic representation of the original scene. Further, with added SNV technology, high-quality full-color surveillance video becomes possible even under low-light conditions. These combined features enable the camera to provide video quality remarkably close to the capabilities of the human eye. When installing the unit, the unique mounting design facilitates easy installation on a wall or desktop in order to capture faces at eye level. Further increasing the level of surveillance, a built-in microphone which records sound within a 5 meter radius.

The CC8370-HV also supports the industry-standard H.264 compression technology, drastically reducing file sizes and conserving valuable network bandwidth. Together with the ST7501 multi-lingual 32-channel recording software, users can simply and quickly set up an easy-to-use IP surveillance system.

Key Features

- · 3-Megapixel CMOS Sensor
- · 30fps @ 2048x1536
- · Anti-Ligature Design
- · Weather-proof IP66-rated and Vandal-proof IK10-rated Housing
- · 180° Horizontal Panoramic View
- · ±25° Tilt Lens
- WDR Pro (100dB) to Provide Extreme Visibility in High Light Contrast Scenes
- · Video Rotation
- · Built-in Microphone
- · SNV (Supreme Night Visibility)
- \cdot 3D Noise Reduction for Low-light Conditions
- · Real-time H.264 and MJPEG Compression (Dual Codec)
- · Built-in IEEE 802.3af Compliant PoE
- · Built-in MicroSD/SDHC/SDXC card slot



The World's First Adjustable Tilt Angle Fisheye Network Camera



Day Mode



Parking Garage



Night Mode



Jewelry Shop

Technical Specifications

System Information CPU Multimedia Soc System on Chipp Flash 128 MB RAM 256 MB Camera Features Image Sensor 1/2.8° Progressive CMOS Maximum Resolution 2048x1536 Lens Type Fixed focal Focal Length 1.6 mm Aperture F.2.0 Field of View 180 (Instituted Instituted Instit	Model	CC8370-HV
Flash 128 MB RAM 256 MB Camera Features Image Sensor Image Sensor 1/2.8° Progressive CMOS Maximum Resolution 2048x1536 Lens Type Fixed-focal Focal Length 1.6 mm Aperture F2.0 Field of View 180° (horizontal) 130° (vertical) 130	System Information	
RAM 256 MB Camera Features Image Sensor 1/2.8° Progressive CMOS Maximum Resolution 2048x1536 Lens Type Fixed focal Focal Length 1.6 mm Aperture F2.0 Field of View 180° (horizontal) 130° (vertical) 180° (ilagional) 180° (СРИ	Multimedia SoC (System-on-Chip)
Image Sensor 1/2.8° Progressive CMOS Maximum Resolution 2048x1536 Lens Type Fixed-focal Focal Length 1.6 mm Aperture F2.0 Field of View 180° (horizontal) 130° (vertical) 180° (ilagional) 1	Flash	128 MB
Image Sensor Invage	RAM	256 MB
Lens Type Fixed-focal Focal Length 1.6 mm Aperture F2.0 Field of View 180' (horizontal) 130' (vertical) 130' (vertical) 130' (vertical) 130' (vertical) 130' (vertical) 130' (diagonal) Shutter Time 1/5 sec. to 1/32,000 sec. WDR Technology WDR Pro Minimum Illumination 0.05 Lux ⊕ F2.0 (Color) Pan/tilt/zoom Functionalities 4x digital zoom IE plug-in On-board Storage MicroSD/SDHC/SDXC card slot Video Compression H.264 & MJPEG Maximum Frame Rate 30fps ⊕ 2048x1536 Maximum Streams 3 simultaneous streams S/N Ratio 58.8 dB Dynamic Range 100 dB Video Streaming Adjustable image size, quality and bit rate. Time stamp, tract overlay, flip & mirror & rotate. Configurable brightness, contrast, saturation, sharpness, white balance, exposure control, gain, backlight compensation, privacy masks. Scheduled profile settings Audio Audio Capability One-way Audio Compression G.711, G.726 Interface Butt-in Microphone Effective Range 5 meters Network Protocols SPMP, FTD/ DHC, NTP, DNS, DNS, PPPSE, CoS, QoS, SNMP, PProtocols Protocols SPMP, FTD/ DHC, NTP, DNS, DNS, PPPSE, CoS, QoS, SNMP, PProtocols	Camera Features	
Lens Type Fixed-focal Focal Length 1.6 mm Aperture Field of View 180' (horizontal) 180' (horizontal) 180' (loagonal) Shutter Time 1/5 sec. to 1/32,000 sec. WDR Technology WDR Pro Minimum Illumination 0.05 Lux @ FZ.0 (Color) Pan/tilt/zoom Functionalities ePTZ: 4x digital zoom IE plug-in On-board Storage MicroSD/SDHC/SDXC card slot Video Compression H.264 & MJPEC Maximum Frame Rate 30fps @ 2048x1536 Maximum Streams 3 simultaneous streams S/N Ratio 58.8 dB Dynamic Range 100 dB Video Streaming Adjustable resolution, quality and bit rate. Time stamp, text overlay, flip & mirror & rotate; Configurable brightness, control, salm, backlight compensation, privacy masks: Scheduled profile settings Audio Audio Capability One-way Audio Compression G.711, G.726 Interface Buit-in Microphone Effective Range 5 meters Network Users Live viewing for up to 10 clients Protocols SPMP, FTP, DHCP, NTP, DNS, DNS, PPPOE, CoS, QoS, SNMP, PProtocols SPMP, FTP, DHCP, NTP, DNS, DNS, PPPOE, CoS, QoS, SNMP, PProtocols	Image Sensor	1/2.8" Progressive CMOS
Focal Length Aperture F2.0 Field of View 180' (horizontal) 180' (diagonal)	Maximum Resolution	2048x1536
Aperture F2.0 Field of View 180° (horizontal) 130° (vertical) 130° (vertical) 130° (vertical) 130° (vertical) 130° (vertical) 130° (vertical) 130° (diagonal) Shutter Time 1/5 sec. to 1/32,000 sec. WDR Technology WDR Pro Minimum Illumination 0.05 Lux @ F2.0 (Color) Pan/tilt/zoom Functionalities ePTZ: 4x digital zoom IE plug-in On-board Storage MicroSD/SDHC/SDXC card slot Video Compression H.264 & MJPEG Maximum Frame Rate 30fps @ 2048x1536 Maximum Streams 3 simultaneous streams S/N Ratio 58.8 dB Dynamic Range 100 dB Video Streaming Adjustable resolution, quality and bit rate. Time stamp, text overlay, flip & mirror & rotate. Configurable brightness, control, gain, backlight compensation, privacy masks, Scheduled profile settings Audio Capability One-way Audio Compression G.711, G.726 Interface Buit-in Microphone Effective Range 5 meters Network Users Live viewing for up to 10 clients IPV4, IPV6, TCP/IP, HTTP, HTTPS, UPPR, RTSP/RTP/RTCP, IGMP, Protocols SMTP, FTP, DHCP, NTP, DNS, DDNS, PPP0E, CoS, QoS, SNMP, PP00E, COS, QOS	Lens Type	Fixed-focal
Field of View 180° (horizontal) 180° (horizontal) 180° (vertical) 180° (diagonal) Shutter Time 1/5 sec. to 1/32,000 sec. WDR Technology WDR Pro Minimum Illumination 0.05 Lux @ F2.0 (Color) Pan/tilt/zoom Functionalities ePTZ: 4x digital zoom IE plug-in On-board Storage MicroSD/SDHC/SDXC card slot Video Compression H.264 & MJPEG Maximum Frame Rate 30fps @ 2048x1536 Maximum Streams 3 simultaneous streams S/N Ratio 58.8 dB Dynamic Range 100 dB Video Streaming Adjustable image size, quality and bitrate Image Settings order tay, flip & mirror & rotate Configurable bightness, control, gain, backlight compensation, privacy masks, scheduled profile settings Audio Capability One-way Audio Compression G.711, G.726 Interface Buit-in Microphone Effective Range S meters Live viewing for up to 10 clients Network Users Live viewing for up to 10 clients IPV-4, IPV-6, TCP/IP, HTTE, HTTPS, UPPR, RTSP/RTP/RTCP, IGMP, Protocols SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPOE, CoS, QoS, SNMP, PPOECOS	Focal Length	1.6 mm
Shutter Time 1/5 sec. to 1/32,000 sec.	Aperture	F2.0
WDR Technology WDR Pro Minimum Illumination 0.05 Lux @ F2.0 (Color) Pan/tilt/zoom Functionalities ePTZ: 4x digital zoom IE plug-in On-board Storage MicroSD/SDHC/SDXC card slot Video Compression H. 264 & MJPEG Maximum Frame Rate 30 fps @ 2048x1536 Maximum Streams 3 simultaneous streams S/N Ratio 58.8 dB Dynamic Range 100 dB Video Streaming Adjustable image size, quality and bit rate; Time stamp, text overlay, flip & mirror & rotate; Configurable brightness, contrast, saturation, sharpness, white balance, exposure control, gain, backlight compensation, privacy masks; Scheduled profile settings Audio Audio Capability One-way Audio Compression G.711, G.726 Interface Buit-in Microphone Effective Range S meters Live viewing for up to 10 clients Protocols IP44, IP46, TCP/IP, HTTP, LUPP, RTSP/RTP/RTCP, ICMP, Protocols IP44, IP46, TCP/IP, HTTP, DNS, DDNS, PPPoE, CoS, QoS, SNNP, Protocols	Field of View	130° (vertical)
Minimum Illumination 0.05 Lux @ F2.0 (Color) Pan/tilt/zoom Functionalities ePTZ: 4x digital zoom IE plug-in On-board Storage MicroSD/SDHC/SDXC card slot Video Compression H.264 & MJPEG Maximum Frame Rate 30 fps @ 2048x1536 Maximum Streams 3 simultaneous streams 5/N Ratio 58.8 dB Dynamic Range 100 dB Video Streaming Adjustable resolution, quality and bit rate; Time stamp, text overlay, flip & mirror & rotate; Configurable brightness, contrast, saturation, sharpness, white balance, exposure control, gain, backlight compensation, privacy masks; Scheduled profile settings Audio Audio Capability One-way Audio Compression G.711, G.726 Interface Buit-in Microphone Effective Range S meters Network Users Live viewing for up to 10 clients IPV4, IPV6, TCP/IP, HTTP, HTTPS, UPPB, RTSP/RTP/RTCP, ICMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPOE, CoS, QoS, SMMP, Protocols	Shutter Time	1/5 sec. to 1/32,000 sec.
Pan/tilt/zoom Functionalities ePTZ: 4x digital zoom IE plug-in On-board Storage MicroSD/SDHC/SDXC card slot Video Compression H.264 & MJPEG Maximum Frame Rate 30fps @ 2048x1536 Maximum Streams 3 simultaneous streams S/N Ratio 58.8 dB Dynamic Range 100 dB Video Streaming Adjustable resolution, quality and bit rate; Time stamp, text overlay, flip & mirror & rotate; Configurable brightness, contrast, saturation, sharpness, white balance, exposure control, gain, backlight compensation, privacy masks; Scheduled profile settings Audio Audio Capability One-way Audio Compression G.711, G.726 Interface Buit-in Microphone Effective Range 5 meters Network Users Live viewing for up to 10 clients IPV4, IPV6, TCP/IP, HTTP, HTTPS, UPPP, RTSP/RTPCRT, ICMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPOE, CoS, QoS, SMMP, Protocols	WDR Technology	WDR Pro
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S/N Ratio 58.8 dB Dynamic Range 100 dB Video Streaming Adjustable resolution, quality and bitrate Adjustable image size, quality and bit rate; Time stamp, text overlay, flip & mirror & rotate; Configurable brightness, contrast, saturation, sharpness, white balance, exposure control, gain, backlight compensation, privacy masks; Scheduled profile settings Audio Audio Capability One-way Audio Compression G.711, G.726 Interface Buit-in Microphone Effective Range 5 meters Network Users Live viewing for up to 10 clients IPv4, IPv6, TCP/IP, HTTP, HTTPS, UPnP, RTSP/RTP/RTCP, IGMP, Protocols SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPoE, CoS, QoS, SNMP,	Maximum Frame Rate	30fps @ 2048x1536
Dynamic Range 100 dB Video Streaming Adjustable resolution, quality and bit rate: Time stamp, text overlay, flip & mirror & rotate; Configurable brightness, contrast, saturation, sharpness, white balance, exposure control, gain, backlight compensation, privacy masks; Scheduled profile settings Audio Audio Capability One-way Audio Compression G.711, G.726 Interface Buit-in Microphone Effective Range 5 meters Network Users Live viewing for up to 10 clients IPv4, IPv6, TCP/IP, HTTP, HTTPS, UPnP, RTSP/RTP/RTCP, IGMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPoE, CoS, QoS, SNMP, Protocols	Maximum Streams	3 simultaneous streams
Video Streaming Adjustable resolution, quality and bitrate Adjustable image size, quality and bit rate: Time stamp, text overlay, flip & mirror & rotate; Configurable brightness, contrast, saturation, sharpness, white balance, exposure control, gain, backlight compensation, privacy masks; Scheduled profile settings Audio Audio Capability One-way Audio Compression G.711, G.726 Interface Buit-in Microphone Effective Range 5 meters Network Users Live viewing for up to 10 clients IPv4, IPv6, TCP/IP, HTTP, HTTPS, UPnP, RTSP/RTP/RTCP, IGMP, Protocols SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPoE, CoS, QoS, SNMP,	S/N Ratio	58.8 dB
Adjustable image size, quality and bit rate; Time stamp, text overlay, flip & mirror & rotate; Configurable brightness, contrast, saturation, sharpness, white balance, exposure control, gain, backlight compensation, privacy masks; Scheduled profile settings Audio Audio Capability One-way Audio Compression G.711, G.726 Interface Buit-in Microphone Effective Range 5 meters Network Users Live viewing for up to 10 clients IPv4, IPv6, TCP/IP, HTTP, HTTPS, UPnP, RTSP/RTP/RTCP, IGMP, Protocols SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPoE, CoS, QoS, SNMP,	Dynamic Range	100 dB
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Audio Capability One-way Audio Compression G.711, G.726 Interface Buit-in Microphone Effective Range 5 meters Network Users Live viewing for up to 10 clients Protocols IPv4, IPv6, TCP/IP, HTTP, HTTPS, UPnP, RTSP/RTP/RTCP, IGMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPoE, CoS, QoS, SNMP,	Image Settings	text overlay, flip & mirror & rotate; Configurable brightness, contrast, saturation, sharpness, white balance, exposure control, gain, backlight compensation, privacy masks;
Compression G.711, G.726 Interface Buit-in Microphone Effective Range 5 meters Network Users Live viewing for up to 10 clients Protocols IPv4, IPv6, TCP/IP, HTTP, HTTPS, UPnP, RTSP/RTP/RTCP, IGMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPoE, CoS, QoS, SNMP,	Audio	
Interface Buit-in Microphone Effective Range 5 meters Network Users Live viewing for up to 10 clients Protocols SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPoE, CoS, QoS, SNMP,	Audio Capability	One-way Audio
Effective Range 5 meters Network Users Live viewing for up to 10 clients IPv4, IPv6, TCP/IP, HTTP, HTTPS, UPnP, RTSP/RTP/RTCP, IGMP, Protocols SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPoE, CoS, QoS, SNMP,	Compression	G.711, G.726
Network Users Live viewing for up to 10 clients IPv4, IPv6, TCP/IP, HTTP, HTTPS, UPnP, RTSP/RTP/RTCP, ICMP, Protocols SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPoE, CoS, QoS, SNMP,	Interface	Buit-in Microphone
Users Live viewing for up to 10 clients IPv4, IPv6, TCP/IP, HTTP, HTTPS, UPnP, RTSP/RTP/RTCP, ICMP, Protocols SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPoE, CoS, QoS, SNMP,	Effective Range	5 meters
IPv4, IPv6, TCP/IP, HTTP, HTTPS, UPnP, RTSP/RTP/RTCP, IGMP, Protocols SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPoE, CoS, QoS, SNMP,	Network	
Protocols SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPOE, CoS, QoS, SNMP,	Users	Live viewing for up to 10 clients
	Protocols	SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPoE, CoS, QoS, SNMP,

Interface	10Base-T/100BaseTX Ethernet (RJ-45) *It is highly recommended to use standard Cat. 5e & Cat. 6 cables which are compliant with the 3P/ETL standard.
ONVIF	Supported, specification available at www.onvif.org
Intelligent Video	
Video Motion Detection	Five-window video motion detection
Alarm and Event	
Alarm Triggers	Motion detection, manual trigger, periodical trigger, system boot, recording notification, camera tampering detection, audio detection
Alarm Events	Event notification using HTTP, SMTP, FTP, NAS server and SD Card File upload via HTTP, SMTP, FTP, NAS server and SD card
General	
Connectors	RJ-45 for Network/PoE connection
LED Indicator	System power and status indicator
Power Input	IEEE 802.3af PoE Class 1
Power Consumption	Max. 4.9 W
Dimensions	115 (D) x 65 (W) x 59 (H) mm
Weight	Net: 331g
Casing	IP66, IK10
Safety Certifications	CE, LVD, FCC Class B, VCCI, C-Tick, UL
Operating Temperature	Starting Temperature: -10'C \sim 50'C (14'F \sim 122'F) Working Temperature: -20'C \sim 50'C (-4'F \sim 122'F)
Warranty	24 months
System Requirements	
Operating System	Microsoft Windows 8/7/Vista/XP/2000
Web Browser	Mozilla Firefox 7~43 (streaming only) Internet Explorer 7/8/9/10
Other Players	VLC: 1.1.11 or above Quicktime: 7 or above
Included Accessories	
Others	Quick installation guide, warranty card, mounting bracket, screw pack
Dimensions	

Dimensions

