



S series **CD8371-HNTV**
S series **CD8371-HNVF2**

Corner Dome Network Camera



3MP · WDR Pro · SNV · 940nm IR · IK10+ · IP66 ·
Anti-Ligature · Anti-Grip

VIVOTEK's CD8371-HNVF2/HNTV is a vandal-proof network camera specifically designed for prisons and correctional facilities. With up to 20 fps at 3-Megapixel resolution, 940nm IR illuminators, two-way audio, and available in either fixed lens (-HNVF2) or vari-focal (-HNTV), the CD8371-HNVF2/HNTV is the most feature rich prison cell surveillance camera available today. The CD8371-HNVF2/HNTV has an anti-ligature design to limit the possibilities of self inflicted harm or suicide, a required feature for environments like prisons, holding cells, psychiatric wards, mental hospitals, and correctional institutions.

Along with having an anti-ligature design, the CD8371-HNVF2/HNTV is designed to cover a wide area. Designed to be installed in the upper corner of a cell, the CD8371-HNVF2/HNTV has both a wide angle horizontal FOV (up to 108°) and

vertical FOV (up to 79°) enabling full coverage of a rectangular cell. Both models lenses also have a 15° vertical tilt to enable vertical view adjustments where needed. WDR Pro is included enabling better image quality where variable lighting is a concern as well as SNV technology to produce high-quality full-color surveillance under low-light conditions. These combined features, along with a built-in microphone, enable correctional officers, mental health evaluators, and prison guards to monitor all the activities of those under their supervision.

The CD8371-HNVF2/HNTV also supports the industry-standard H.264 compression technology, reducing file sizes and conserving network bandwidth. It also is ONVIF compliant, enabling integration with any existing Video Management Software or VIVOTEK's own VAST Central Management Software.

Key Features

- 3-Megapixel CMOS Sensor
- 20 fps @ 2048x1536
- Anti-Ligature Design, Corner Dome Correctional Facility Camera
- Weather-proof IP66 rated and Vandal-proof IK10+ rated Housing
- Up to 108° Horizontal Field of View, Up to 79° Vertical Field of View
- 15° Tilt Lens
- Built-in Invisible 940nm IR Illuminators up to 10 Meters
- WDR Pro (100dB) for Improved Visibility in High Contrast Lighting Environments
- SNV (Supreme Night Visibility)
- Smart Stream II to Optimize Bandwidth Efficiency
- 3D Noise Reduction for Low-light Conditions
- Shock Detection - Advanced Tamper Detection if Camera is Attacked



The Anti-Ligature, Robust Design, Corner Dome Correctional Facility Camera

Technical Specifications

Model	CD8371-HNTV: Vari-focal, Remote Focus CD8371-HNVF2: Fixed-focal		
System Information			
CPU	Multimedia SoC (System-on-Chip)		
Flash	128MB		
RAM	256MB		
Camera Features			
Image Sensor	1/2.8" Progressive CMOS		
Maximum Resolution	2048x1536 (3MP)		
Lens Type	CD8371-HNTV: Vari-focal, Remote Focus CD8371-HNVF2: Fixed-focal		
Focal Length	CD8371-HNTV: f= 2.8 ~ 8 mm CD8371-HNVF2: f= 2.8 mm		
Aperture	CD8371-HNTV: F1.6 CD8371-HNVF2: F1.8		
Field of View	CD8371-HNTV: 51°~105° (Horizontal) 37°~72° (Vertical) 63°~140° (Diagonal) CD8371-HNVF2: 108° (Horizontal) 79° (Vertical) 137° (Diagonal)		
Shutter Time	1/5 sec. to 1/32,000 sec.		
WDR Technology	WDR Pro		
Day/Night	Removable IR-cut filter for day & night function		
Minimum Illumination	CD8371-HNTV: 0.01 Lux @ F1.6 (Color) < 0.01 Lux @ F1.6 (B/W) 0 Lux with IR illumination on CD8371-HNVF2: 0.01 Lux @ F1.8 (Color) < 0.01 Lux @ F1.8 (B/W) 0 Lux with IR illumination on		
Tilt Range	15°		
Pan/Tilt/Zoom Functionalities	ePTZ: 48x digital zoom (4x on IE plug-in, 12x built in)		
IR Illuminators	Built-in 940nm IR illuminators, effective up to 10 meters with Smart IR		
On-board Storage	Slot type: MicroSD/SDHC/SDXC card slot Seamless Recording		
Video			
Compression	H.264 & MJPEG		
Maximum Frame Rate	20 fps @ 2048x1536		
Maximum Streams	3 simultaneous streams		
S/N Ratio	55dB		
Dynamic Range	100dB		
Video Streaming	Adjustable resolution, quality and constant bit rate control; Smart Stream II		
			Adjustable image size, quality and bit rate; Time stamp, text overlay, flip & mirror; Configurable brightness, contrast, saturation, sharpness, white balance, exposure control, gain, backlight compensation, privacy masks; Scheduled profile settings, 3D noise reduction, video rotation
		Image Settings	
		Audio	
		Audio Capability	Two-way audio
		Compression	G.711, G.726
		Interface	Built-in microphone External microphone input External line output
		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, 802.1X, NTCIP, ARP, SSL, TLS
		Interface	10Base-T/100 BaseTX 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, digital input, periodical trigger, system boot, recording notification, camera tampering detection, audio detection, shock 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	
		Smart Focus System	Remote Focus (CD8371-HNTV)
		Connectors	RJ-45 cable connector for Network/PoE connection Audio input Audio output (Optional) DC 12V power input (Optional) AC 24V power input (Optional) Digital input*1 (Optional) Digital output*1 (Optional)
		LED Indicator	System power and status indicator
		Power Input	DC 12V AC 24V IEEE 802.3af PoE Class 2
		Power Consumption	Max. 6.2 W
		Dimensions	226 x 221 x 112 mm

Technical Specifications

Weight	CD8371-HNTV: 1537 g CD8371-HNVF2: 1522 g
Casing	Weather-proof IP66 rated housing Vandal-proof IK10+ rated metal housing
Safety Certifications	CE, LVD, FCC Class A, VCCI, C-Tick, UL
Operating Temperature	Starting Temperature: -10°C ~ 55°C (14°F ~ 131°F) Working Temperature: -10°C ~ 55°C (14°F ~ 131°F)
Warranty	36 months
System Requirements	
Operating System	Microsoft Windows 8/7/Vista/XP/2000
Web Browser	Mozilla Firefox 7~43 (streaming only) Internet Explorer 7/8/9/10/11
Other Players	VLC: 1.1.11 or above Quicktime: 7 or above

Included Accessories

Others	Quick installation guide, warranty card, alignment sticker, desiccant bag, screw driver, screws pack, I/O cable, mounting bracket
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Dimensions

