



## CD8371-HNTV



## 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 30 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.

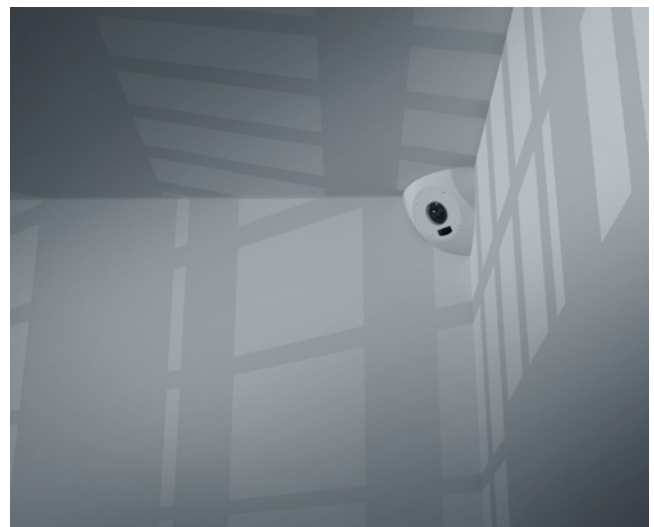
Along with having an anti-ligature design, the CD8371-HNVF2/HNTV is designed to cover a wide area. Designed to be installed in the upper corner of a cell, the CD8371-HNVF2/HNTV has both a wide angle horizontal FOV (up to 108°) and

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
- 30 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
- Video Rotation
- Built-in Microphone
- Built-in MicroSD/SDHC/SDXC Card Slot



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

## Technical Specifications

Model	CD8371-HNTV: Vari-focal, Remote Focus CD8371-HNVF2: Fixed-focal	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
<b>System Information</b>		<b>Image Settings</b>
CPU	Multimedia SoC (System-on-Chip)	
Flash	128MB	
RAM	256MB	
<b>Camera Features</b>		<b>Audio</b>
Image Sensor	1/2.8" Progressive CMOS	
Maximum Resolution	2048x1536 (3MP)	
Lens Type	CD8371-HNTV: Vari-focal, Remote Focus CD8371-HNVF2: Fixed-focal	<b>Audio Capability</b> Two-way audio
Focal Length	CD8371-HNTV: f= 2.8 ~ 8 mm CD8371-HNVF2: f= 2.8 mm	<b>Compression</b> G.711, G.726
Aperture	CD8371-HNTV: F1.6 CD8371-HNVF2: F1.8	<b>Interface</b> Built-in microphone External microphone input External line output
Field of View	CD8371-HNTV: 51°~105° (Horizontal) 37°~72° (Vertical) 63°~140° (Diagonal) CD8371-HNVF2: 108° (Horizontal) 79° (Vertical) 137° (Diagonal)	<b>Effective Range</b> 5 Meters
Shutter Time	1/5 sec. to 1/32,000 sec.	<b>Network</b>
WDR Technology	WDR Pro	
Day/Night	Removable IR-cut filter for day & night function	<b>Users</b> Live viewing for up to 10 clients
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	<b>Protocols</b> 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
Tilt Range	15°	<b>Interface</b> 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.
Pan/Tilt/Zoom Functionalities	ePTZ: 48x digital zoom (4x on IE plug-in, 12x built in)	<b>ONVIF</b> Supported, specification available at <a href="http://www.onvif.org">www.onvif.org</a>
IR Illuminators	Built-in 940nm IR illuminators, effective up to 10 meters with Smart IR	<b>Intelligent Video</b>
On-board Storage	Slot type: MicroSD/SDHC/SDXC card slot Seamless Recording	<b>Video Motion Detection</b> Five-window video motion detection
<b>Video</b>		<b>Alarm and Event</b>
Compression	H.264 & MJPEG	
Maximum Frame Rate	30 fps @ 2048x1536	<b>Alarm Triggers</b> Motion detection, manual trigger, digital input, periodical trigger, system boot, recording notification, camera tampering detection, audio detection
Maximum Streams	3 simultaneous streams	<b>Alarm Events</b> Event notification using HTTP, SMTP, FTP, NAS server and SD Card File upload via HTTP, SMTP, FTP, NAS server and SD card
S/N Ratio	55dB	<b>General</b>
Dynamic Range	100dB	
Video Streaming	Adjustable resolution, quality and constant bit rate control; Smart Stream II	<b>Smart Focus System</b> Remote Focus (CD8371-HNTV)
		<b>Connectors</b> 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)
		<b>LED Indicator</b> System power and status indicator
		<b>Power Input</b> DC 12V AC 24V IEEE 802.3af PoE Class 2
		<b>Power Consumption</b> Max. 6.2 W
		<b>Dimensions</b> 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

