VIVOTEK

S series **CD8371-HNTV**

S series **CD8371-HNVF2**

Corner Dome Network Camera

3MP · WDR Pro · SNV · 940nm IR · IK10+ · IP67 · 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.
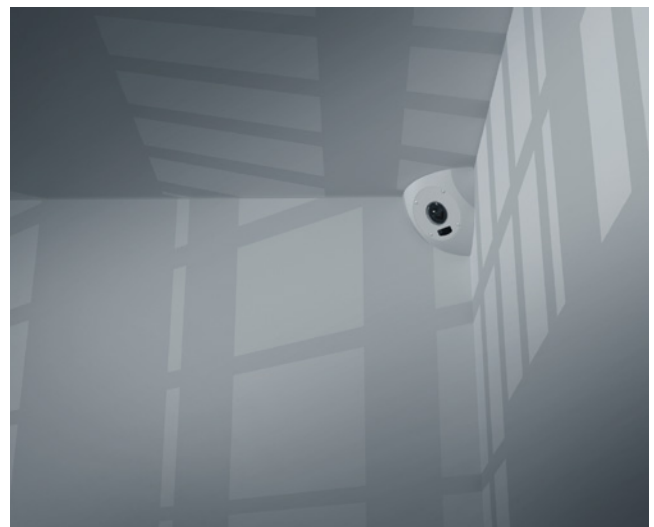
Along with having an anti-ligature design, the CD8371-HNVF2/HNTV is designed to cover a wide area. Designed to be installed in the upper corner of a cell, the CD8371-HNVF2/HNTV has both a wide angle horizontal FOV (up to 108°) and vertical FOV (up to 79°) enabling full coverage of a rectangular cell. 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 IP67 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

Image Settings	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

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, CIFS/SMB
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 MicroSD Card File upload via HTTP, SMTP, FTP, NAS server and MicroSD 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 IP67 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
Web Browser	Mozilla Firefox 7~43 (streaming only) Internet Explorer 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

Dimensions

226 mm   112 mm   221 mm