FD9371-HTV/EHTV

Fixed Dome Network Camera

3MP · H.265 Compression · Smart Stream II · Bandwidth Saving · WDR Pro · SNV · IP66 · IK10 · Extreme Weather · P-iris · 30M IR · DIS

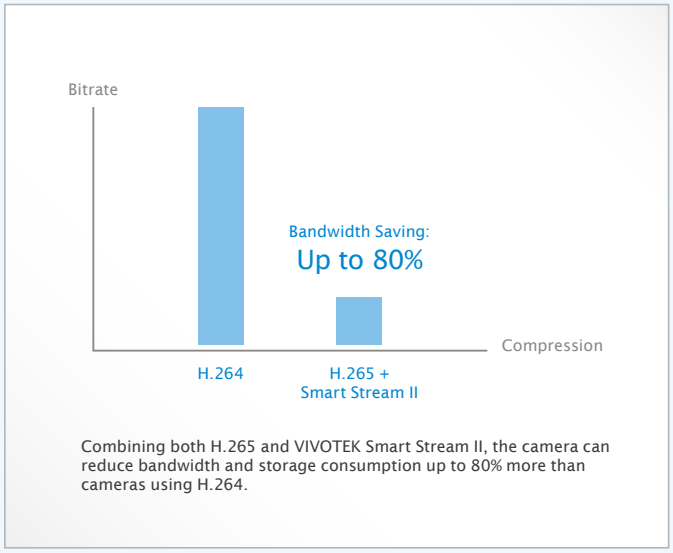
VIVOTEK's FD9371-HTV and FD9371-EHTV are two brand-new professional H.265 high-efficiency outdoor dome network cameras, offering 30 fps @ 3-Megapixel with outstanding image quality. Employing H.265 technology enables the cameras to provide higher and more efficient image compression rates than previous H.264 systems. In addition, VIVOTEK's sophisticated Smart Stream II enables the cameras to optimize resolution for a desired object or area and therefore to maximize efficiency of bandwidth usage. Combining both H.265 and Smart Stream II, the FD9371-HTV and FD9371-EHTV can reduce both bandwidth and storage consumption up to 80%* while maintaining image quality of the high standard.

As professional day/night cameras, the FD9371-HTV and FD9371-EHTV are also equipped with WDR Pro and SNV, empowering users to enjoy superb image-detail in any lighting condition. Additionally, IP66-rated housing ensures the ability of these advanced cameras to withstand rain and dust, thus guaranteeing smooth operation even under a multitude of harsh weather conditions. The cameras' IK10-rated housing can also provide protection against acts of vandalism and other impacts. Finally, a wide operating temperature range further enhances the performance and reliability of the FD9371-EHTV in both extremely cold and warm weather, even while using PoE.

* Depending on scenes

Key Features

- H.265 Compression Technology
- 1/2.8" Progressive CMOS Sensor
- 30 fps @ 2048x1536
- Smart Stream II to Optimize Bandwidth Efficiency
- WDR Pro for Unparalleled Visibility in High Contrast Environments
- Built-in IR Illuminators, Effective up to 30 Meters
- Remote Focus for Easy Focus Adjustments
- Weather-proof IP66-rated and Vandal-proof IK10-rated Housing
- Extreme Weather Support with PoE
- SNV (Supreme Night Visibility) for Low Light Conditions
- Video Rotation for Corridor View
- P-iris Lens
- DIS (Digital Image Stabilization)



Combining both H.265 and VIVOTEK Smart Stream II, the camera can reduce bandwidth and storage consumption up to 80% more than cameras using H.264.

Parking Lot

Low Light

Arctic Weather

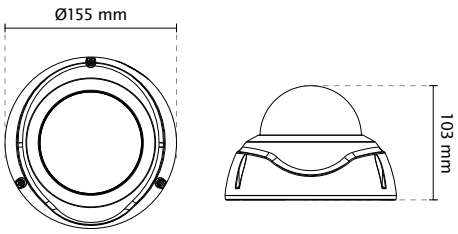
Outdoor Entrance

Technical Specifications

Model	FD9371-HTV: Remote Focus FD9371-EHTV: Remote Focus, Extreme Weather
System Information	
CPU	Multimedia SoC (System-on-Chip)
Flash	128 MB
RAM	512 MB
Camera Features	
Image Sensor	1/2.8" Progressive CMOS
Maximum Resolution	2048x1536 (3MP)
Lens Type	Vari-Focal
Focal Length	f = 3 ~ 9 mm
Aperture	F1.2 ~ F2.3
Auto-iris	P-iris
Field of View	41˚ ~ 86˚ (Horizontal) 31˚ ~ 64˚ (Vertical) 51˚ ~ 113 (Diagonal)
Shutter Time	1/5 sec. to 1/16000 sec.
WDR Technology	WDR Pro
Day/Night	Removable IR-cut filter for day & night function
Minimum Illumination	0.01 Lux @ F1.2 (Color) 0.001 Lux @ F1.2 (B/W)
Pan/Tilt/Zoom Functionalities	ePTZ: 48x digital zoom (4x on IE plug-in, 12x built in)
IR Illuminators	30 meters
On-board Storage	Slot type: MicroSD/SDHC/SDXC card slot Seamless Recording
Video	
Compression	H.265 & H.264 & MJPEG
Maximum Frame Rate	H.264 & H.265 30fps @ 2048x1536 MJPEG 15fps @ 2048x1536
Maximum Streams	3 simultaneous streams
S/N Ratio	43 dB
Dynamic Range	100 dB
Video Streaming	Adjustable resolution, quality and bitrate Smart Stream II
Image Settings	Time stamp, text overlay, flip & mirror Configurable brightness, contrast, saturation, sharpness, white balance, exposure control, gain, backlight compensation, privacy masks Scheduled profile settings, 3DNR, video rotation, defog, DIS
Audio	
Audio Capability	Two-Way Audio (full duplex)
Compression	G711, G726
Interface	External microphone input Audio output
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, UDP, ICMP, ARP, SSL, TLS
Interface	10 Base-T/100 BaseTX Ethernet (RJ-45) *It is highly recommended to use standard CAT5e & CAT6 cables which are compliant with the 3P/ETL standard.
ONVIF	Supported, specifications available at www.onvif.org
Intelligent Video	
Video Motion Detection	Five-window video motion detection
VCA*	Line crossing detection, field detection, loitering detection
Alarm and Event	
Alarm Triggers	Video motion detection, manual trigger, digital input, periodical trigger, system boot, recording notification, camera tampering detection, audio detection
Alarm Events	Event notification using digital output, HTTP, SMTP, FTP and NAS server, SD Card File upload via HTTP, SMTP, FTP, NAS server and SD card
General	
Smart Focus System	Remote focus
Connectors	RJ-45 cable connector for Network/PoE connection Audio input Audio output DC 12V power input Digital input*1 Digital output*1
LED Indicator	System power and status indicator
Power Input	12V DC FD9371-HTV: IEEE 802.3af/at PoE, Class 0 FD9371-EHTV: IEEE 802.3at PoE, Class 4
Power Consumption	FD9371-HTV: Max. 12 W FD9371-EHTV: Max. 24.7 W (Heater on)
Dimensions	Ø 155 x 103 mm
Weight	FD9371-HTV: 927 g FD9371-EHTV: 928 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	FD9371-HTV Starting Temperature: -10˚C ~ 50˚C (14˚F~ 122˚F) Working Temperature: -20˚C ~ 50˚C (-4˚F~ 122˚F) FD9371-EHTV Starting Temperature: -40˚C ~ 50˚C (-40˚F ~ 122˚F) Working Temperature: -50˚C ~ 50˚C (-58˚F ~ 122˚F)
Humidity	90%
Warranty	36 months
System Requirements	
Operating System	Microsoft Windows 8/7/Vista/XP/2000
Web Browser	Mozilla Firefox 7~10 (streaming only) Internet Explorer 7/8/9/10/11
Other Players	VLC: 1.1.11 or above Quicktime: 7 or above
Included Accessories	
CD	User's manual, quick installation guide, Installation Wizard 2, VAST
Others	Quick installation guide, screw pack, alignment sticker, desiccant bag, water-proof connectors

* Available per project request.

Dimensions



Compatible Accessories

Mounting Kits

AM-51C (v01)
Adapter Ring

AM-525 (v01)
Mounting Adapter

AM-713
Conduit Box

PoE Kits

AP-FXC-0251
PoE Extender with Conduit Box

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