



# FD9381-HTV/EHTV

Fixed Dome Network Camera



5MP · H.265 · Smart Stream II · 1080p 60 fps · WDR Pro · SNV · IP66 · IK10 · Extreme Weather · P-iris · 30M IR

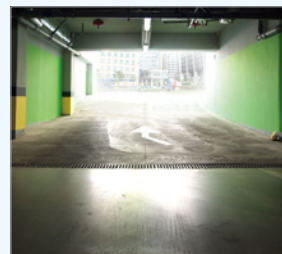
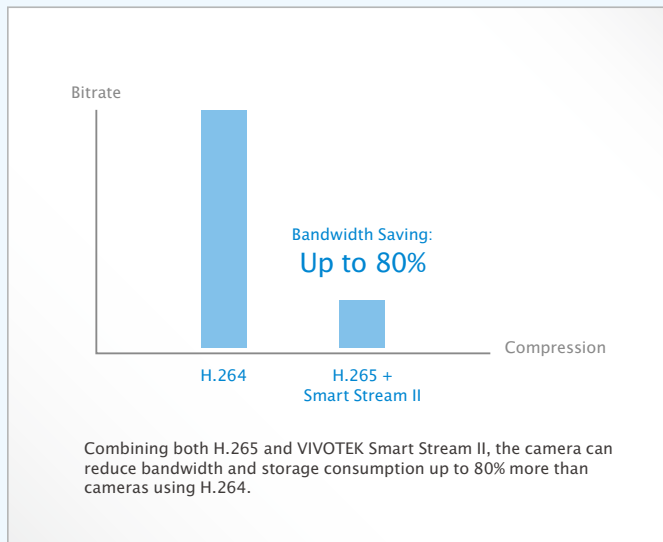
VIVOTEK's FD9381-HTV and FD9381-EHTV are two brand-new professional H.265 high-efficiency outdoor dome network cameras, offering 30 fps @ 5-Megapixel or 60 fps @ 1080p with outstanding image quality. By employing H.265 technology, these cameras are able to provide higher and more efficient image compression rates than previous H.264 systems. In addition, VIVOTEK's sophisticated Smart Stream II technology enables the cameras to optimize quality for desired regions and therefore to maximize efficiency of bandwidth usage. Combining both H.265 and Smart Stream II, the FD9381-HTV and FD9381-EHTV can reduce bandwidth and storage consumption by up to 80%\* while retaining exceptional 5-Megapixel image quality.

As professional day/night cameras, the FD9381-HTV and FD9381-EHTV are also equipped with WDR Pro and SNV, empowering users to enjoy superb image-detail in all lighting conditions. Additionally, robust IP66-rated housing ensures the ability of these advanced cameras to withstand rain and dust, thus guaranteeing smooth operation no matter how harsh the weather conditions. The cameras' IK10-rated housing will also provide protection against acts of vandalism and other physical impacts. Finally, a wide operating temperature range further enhances the performance and reliability of the FD9381-EHTV in both extremely cold and extremely warm weather, even while using PoE.

\* Depending on scenes

## Key Features

- H.265 Compression Technology
- 1/1.8" Progressive CMOS Sensor
- 30 fps @ 2560x1920, 60 fps @ 1920x1080
- 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
- P-iris Lens
- Video Rotation for Corridor View
- DIS (Digital Image Stabilization)



Parking Lot



Low Light



Extreme Weather



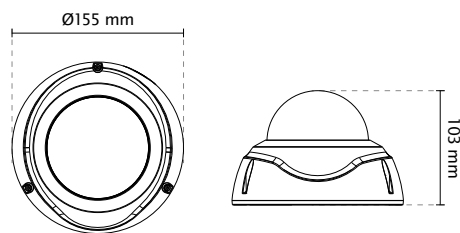
Outdoor Entrance

## Technical Specifications

<b>Model</b>	FD9381-HTV: Remote Focus FD9381-EHTV: Remote Focus, Extreme Weather
<b>System Information</b>	
<b>CPU</b>	Multimedia SoC (System-on-Chip)
<b>Flash</b>	128MB
<b>RAM</b>	512MB
<b>Camera Features</b>	
<b>Image Sensor</b>	1/1.8" Progressive CMOS
<b>Maximum Resolution</b>	2560x1920 (5MP)
<b>Lens Type</b>	Vari-Focal
<b>Focal Length</b>	f = 4 ~ 9 mm
<b>Aperture</b>	F1.3 ~ F2.2
<b>Auto-iris</b>	P-iris
<b>Field of View</b>	45° ~ 93° (Horizontal) 34° ~ 68° (Vertical) 64° ~ 121° (Diagonal)
<b>Shutter Time</b>	1/5 sec. to 1/32,000 sec.
<b>WDR Technology</b>	WDR Pro
<b>Day/Night</b>	Removable IR-cut filter for day & night function
<b>Minimum Illumination</b>	0.04 Lux @ F1.3 (Color) 0.001 Lux @ F1.3 (B/W)
<b>Pan/Tilt/Zoom Functionalities</b>	ePTZ: 48x digital zoom (4x on IE plug-in, 12x built in)
<b>IR Illuminators</b>	30 meters
<b>On-board Storage</b>	Slot type: MicroSD/SDHC/SDXC card slot Seamless Recording
<b>Video</b>	
<b>Compression</b>	H.265 & H.264 & MJPEG
<b>Maximum Frame Rate</b>	H.265 & H.264: 30 fps @ 2560x1920 60 fps @ 1920x1080 MJPEG: 12 fps @ 2560x1920 30 fps @ 1920x1080
<b>Maximum Streams</b>	4 simultaneous streams
<b>S/N Ratio</b>	57 dB
<b>Dynamic Range</b>	100 dB
<b>Video Streaming</b>	Adjustable resolution, quality and bitrate Smart Stream II
<b>Image Settings</b>	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
<b>Audio</b>	
<b>Audio Capability</b>	Two-Way Audio (full duplex)
<b>Compression</b>	G711, G726
<b>Interface</b>	External microphone input Audio output
<b>Network</b>	
<b>Users</b>	Live viewing for up to 10 clients
<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, UDP, ICMP, ARP, SSL, TLS, CIFS/SMB
<b>Interface</b>	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.
<b>ONVIF</b>	Supported, specifications available at <a href="http://www.onvif.org">www.onvif.org</a>
<b>Intelligent Video</b>	
<b>Video Motion Detection</b>	Five-window video motion detection

<b>Alarm and Event</b>	
<b>Alarm Triggers</b>	Motion detection, manual trigger, digital input, periodical trigger, system boot, recording notification, camera tampering detection, audio detection
<b>Alarm Events</b>	Event notification using digital output, HTTP, SMTP, FTP, NAS server and MicroSD Card File upload via HTTP, SMTP, FTP, NAS server and MicroSD card
<b>General</b>	
<b>Smart Focus System</b>	Remote Focus
<b>Connectors</b>	RJ-45 cable connector for Network/PoE connection Audio input Audio output DC 12V power input Digital input*1 Digital output*1
<b>LED Indicator</b>	System power and status indicator
<b>Power Input</b>	DC12V FD9381-HTV: IEEE 802.3af/at PoE Class 0 FD9381-EHTV: IEEE 802.3at PoE Class 4
<b>Power Consumption</b>	FD9381-HTV: Max. 12.8 W FD9381-EHTV: Max. 25.5 W (Heater on)
<b>Dimensions</b>	Ø 155 x 103 mm
<b>Weight</b>	FD9381-HTV: 927 g FD9381-EHTV: 928 g
<b>Casing</b>	Weather-proof IP66-rated housing Vandal-proof IK10-rated metal housing
<b>Safety Certifications</b>	CE, LVD, FCC Class A, VCCI, C-Tick, UL
<b>Operating Temperature</b>	FD9381-HTV: Starting Temperature: -10°C ~ 50°C (14°F ~ 122°F) Working Temperature: -20°C ~ 50°C (-4°F ~ 122°F) FD9381-EHTV: Starting Temperature: -40°C ~ 50°C (-40°F ~ 122°F) Working Temperature: -50°C ~ 50°C (-58°F ~ 122°F)
<b>Humidity</b>	90%
<b>Warranty</b>	36 months
<b>System Requirements</b>	
<b>Operating System</b>	Microsoft Windows 7/8
<b>Web Browser</b>	Mozilla Firefox 7~10 (streaming only) Internet Explorer 10/11
<b>Other Players</b>	VLC: 1.1.11 or above Quicktime: 7 or above
<b>Included Accessories</b>	
<b>CD</b>	User's manual, quick installation guide, Shepherd, VAST
<b>Others</b>	Quick installation guide, screw pack, alignment sticker, desiccant bag, water-proof connectors, conduit connector, CD

## Dimensions



## Compatible Accessories

### Mounting Kits



**AM-51C (v01)**  
Adapter Ring



**AM-525 (v01)**  
Mounting Adapter



**AM-713 (v01)**  
Conduit Box

### PoE Kits



**AP-FXC-0251**  
PoE Extender with  
Conduit Box

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