



# S series FD9365-HTV/EHTV

# S series FD9365-HTVL

Fixed Dome Network Camera



2MP 60 fps • SNV II • WDR Pro II • Smart Stream III • Smart IR II •  
50M IR • IP66 • IK10 • NEMA 4X • -50°C ~ 50°C

The FD9365 series is the new flagship outdoor dome network camera from VIVOTEK, equipped with a full HD sensor capable of 1920x1080 resolution at 60 fps. With the most updated VIVOTEK SNV and WDR Pro technology, the FD9365 series is capable of capturing the highest quality images in both low light and high contrast environments.

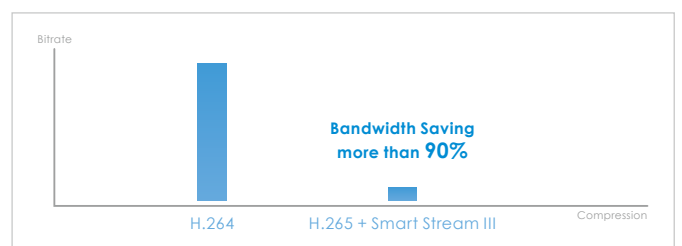
The FD9365 series also offers the best in night time surveillance technology. By adopting Smart IR II technology from VIVOTEK speed domes, the FD9365 IR illuminators now align with the remote focus lens' focus angle to provide the best IR image quality at any lens setting. This feature optimizes IR intensity, reduces IR hotspots, and increases the IR effective range up to 50 meters.

Additionally, the FD9365 series employs VIVOTEK's Smart Stream III technology and H.265 compression codec, reducing bandwidth more than 90%\* while still maintaining excellent image quality compared to traditional H.264 without smart streaming. Furthermore, the VIVOTEK VADP (VIVOTEK Application Development Platform) allows users to add customized programs for various applications and user scenarios. Protecting all these features is the FD9365's IP66, IK10 and NEMA 4X rated housing, capable of operating from -50°C to 50°C (FD9365-EHTV).

\* Depending on scenes

## Key Features

- 60 fps @ 1920x1080
- H.265 Compression Technology
- Smart Stream III to Optimize Bandwidth Efficiency
- SNV II (Supreme Night Visibility) for Low Light Conditions
- WDR Pro II (140dB) to Provide Extreme Visibility in Extremely Bright or Dark Environments
- Built-in IR Illuminators, Effective up to 50 Meters
- Smart IR II Technology to Avoid Overexposure
- Smart Motion Detection to Reduce False Alarms
- Trend Micro IoT Security
- Weather-proof IP66, Vandal-proof IK10 and NEMA 4X-rated Housing (FD9365-HTV/EHTV)
- -50°C ~ 50°C Wide Temperature Range for Extreme Weather Conditions (FD9365-EHTV)



H.265 + Smart Stream III, Ultra-low Bandwidth

## Technical Specifications

Model	FD9365-HTV: Motorized, Vari-focal, Remote Focus, NEMA 4X FD9365-HTVL: Motorized, Vari-focal, Remote Focus FD9365-EHTV: Motorized, Vari-focal, Remote Focus, NEMA 4X, -50 °C ~ 50 °C	Video Streaming	Adjustable resolution, quality and constant bit rate control, Smart Stream III
<b>System Information</b>		Image Settings	Time stamp, text overlay, flip and mirror, configurable brightness, contrast, saturation, sharpness, white balance, exposure control, gain, backlight compensation, privacy masks, scheduled profile settings, video rotation, 3DNR, DIS, HLC, defog, deblur, metering
CPU	Multimedia SoC (System-on-Chip)	<b>Audio</b>	
Flash	128MB	Audio Capability	Two-way Audio (full-duplex)
RAM	512MB	Compression	G.711, G.726
<b>Camera Features</b>		Interface	Build-in Microphone External Microphone input External line output
Image Sensor	1/2" Progressive CMOS	Effective Range	5 meters
Max. Resolution	1920x1080 (2MP)	<b>Network</b>	
Lens Type	Motorized, Vari-focal, Remote Focus	Users	Live viewing for up to 10 clients
Focal Length	f = 4 ~ 9 mm f = 2.8 ~ 11.4 mm (equivalent focal length @ 1/2.8)	Protocols	802.1X, ARP, CIFS/SMB, CoS, DDNS, DHCP, DNS, FTP, HTTP, HTTPS, ICMP, IGMP, IPv4, IPv6, NTP, PPPoE, QoS, RTSP/RTP/RTCP, SMTP, SNMP, SSL, TCP/IP, TLS, UDP, UPnP
Aperture	F1.3 ~ F2.2	Interface	10 Base-T/100 Base-TX Ethernet (RJ-45) *It is highly recommended to use standard CAT5e & CAT6 cables which are compliant with the 3P/ETL standard.
Iris type	P-iris	ONVIF	Supported, specification available at <a href="http://www.onvif.org">www.onvif.org</a>
Field of View	46° ~ 120° (Horizontal) 26° ~ 60° (Vertical) 53° ~ 152° (Diagonal)	<b>System Integration</b>	
Shutter Time	1/5 sec. to 1/32,000 sec.	Smart Motion Detection	Five-window video motion detection, people detection, time filter
WDR Technology	WDR Pro II	Smart VCA	Intrusion detection, loitering detection, line crossing detection, unattended object detection, missing object detection, face detection *Please access <a href="http://license.vivotek.com/">http://license.vivotek.com/</a> to get the free trial license.
Day/Night	Yes	VADP Package	Trend Micro IoT Security, Deep Learning VCA (Smart Motion Detection, Smart VCA)
Removable IR-cut filter	Yes	<b>Alarm and Event</b>	
IR Illuminators	FD9365-HTV/EHTV: Built-in IR illuminators, effective up to 50 meters with Smart IR II, IR LED*5 FD9365-HTVL: Built-in IR illuminators, effective up to 50 meters with Smart IR II, IR LED*4	Alarm Triggers	Motion detection, manual trigger, digital input, periodical trigger, system boot, recording notification, camera tampering detection, audio detection, shock detection, SD card life expectancy, cybersecurity events (brute force attack event, cyberattack event, quarantine event)
Minimum Illumination	0.01 Lux @ F1.3 (Color), 50IRE 0.002 Lux @ F1.3 (Color), 30IRE <0.01 Lux @ F1.3 (B/W) 0 Lux with IR illumination on	Alarm Events	Event notification via digital output, email, HTTP, FTP, NAS server, SD card File upload via email, HTTP, FTP, NAS server, SD card
Pan Range	353°	<b>General</b>	
Tilt Range	65°	Connectors	RJ-45 cable connector for 10/100Mbps Network/PoE connection Audio line in Audio line out AC 24 V DC 12 V Digital input *2 Digital output *2 TV out
Rotation Range	180°		
Pan/Tilt/Zoom Functionalities	ePTZ: 48x digital zoom (4x on IE plug-in, 12x built-in)		
On-board Storage	Slot type: MicroSD/SDHC/SDXC card slot Seamless Recording		
<b>Video</b>			
Compression	H.265, H.264, MJPEG		
Maximum Frame Rate	60 fps @ 1920x1080		
Maximum Streams	4 simultaneous streams		
S/N Ratio	66 dB		
Dynamic Range	140 dB		

## Technical Specifications

LED Indicator	System power and status indicator
Power Input	FD9365-HTV/HTVL: AC 24V, DC 12V, IEEE 802.3af PoE Class 0 FD9365-EHTV: AC 24V, DC 12V, IEEE 802.3at PoE Class 4
Power Consumption	FD9365-HTV: PoE: Max. 11.9 W AC 24V: Max. 10.5 W DC 12V: Max. 19.5 W FD9365-HTVL: PoE: Max. 12.54 W AC 24V: Max. 11.4 W DC 12V: Max. 10.8 W FD9365-EHTV: PoE: Max. 24.8 W AC 24V: Max. 21.8 W DC 12V: Max. 19.5 W
Dimensions	FD9365-HTV/EHTV: Ø 155 x 138 mm FD9365-HTVL: Ø 155 x 104 mm
Weight	FD9365-HTV/EHTV: 1,300 g FD9365-HTVL: 873 g
Casing	FD9365-HTV/EHTV: IP66, IK10, NEMA 4X FD9365-HTVL: IP66, IK10
Safety Certifications	CE, LVD, FCC Class A, VCCI, C-Tick, UL
Operating Temperature	FD9365-HTV/HTVL: Starting Temperature: -10°C ~ 50°C (14°F ~ 122°F) Working Temperature: -30°C ~ 50°C (-22°F ~ 122°F) FD9365-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

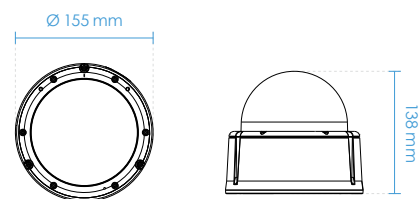
Operating System	Microsoft Windows 8/7 Mac 10.12 (Chrome only)
Web Browser	Chrome 58.0 or above Internet Explorer 10/11
Other Players	VLC: 1.1.11 or above QuickTime: 7 or above

## Included Accessories

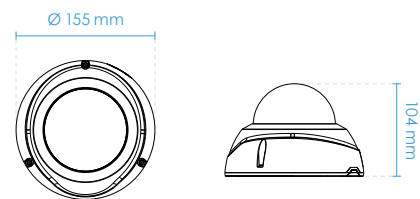
Others	Quick installation guide, warranty card, screw pack, alignment sticker
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## Dimensions

### FD9365-EHTV/HTV



### FD9365-HTVL



## Compatible Accessories

### Mounting Kits



AM-21A  
L-shape Bracket



AM-51C  
Adapting Plate



AM-525  
Mounting Adapter



AM-713  
Outdoor Conduit Box

## Ordering Information

Model	Description	Part Number
FD9365-HTV	2MP, 4-9mm, 50M IR, IP66, IK10, NEMA 4X, -30°C ~ 50°C	100178800G
FD9365-HTVL	2MP, 4-9mm, 50M IR, IP66, IK10, -30°C ~ 50°C	100200600G
FD9365-EHTV	2MP, 4-9mm, 50M IR, IP66, IK10, NEMA 4X, -50°C ~ 50°C	100178700G



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