



# S series FD9365-HTV/HTVL

# S series FD9365-EHTV

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.

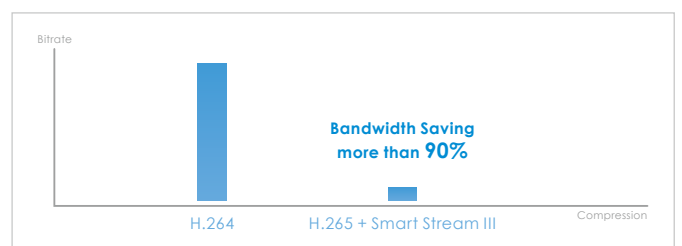
The FD9365 series also offers the best in night time surveillance technology. By adopting Smart IR II technology from VIVOTEK speed domes, the FD9365 IR illuminators now align with the remote focus lens' focus angle to provide the best IR image quality at any lens setting. This feature optimizes IR intensity, 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 within Standard Warranty Period
- Weather-proof IP66-, Vandal-proof IK10- and NEMA 4X-rated Housing (FD9365-EHTV/HTV)
- -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: Vari-focal, Remote Focus, NEMA 4X FD9365-HTVL: Vari-focal, Remote Focus FD9365-EHTV: Vari-focal, Remote Focus, NEMA 4X, -50 °C ~ 50 °C	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, video rotation, 3DNR, DIS, HLC
<b>System Information</b>		<b>Audio</b>	
CPU	Multimedia SoC (System-on-Chip)	Audio Capability	Two-way audio
Flash	128MB	Compression	G.711, G.726
RAM	512MB	Interface	Build-in Microphone External Microphone input External line output
<b>Camera Features</b>		Effective Range	5 meters
Image Sensor	1/2" Progressive CMOS	<b>Network</b>	
Max. Resolution	1920x1080 (2MP)	Users	Live viewing for up to 10 clients
Lens Type	Vari-focal, Remote focus	Protocols	IPv4, IPv6, TCP/IP, HTTP, HTTPS, UPnP, RTSP/ RTP/RTCP, IGMP, CIFS/SMB, SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPoE, CoS, QoS, SNMP, 802.1X, UDP, ICMP, ARP, SSL/ TLS
Focal Length	f = 4 ~ 9 mm f = 2.8 ~ 11.4 mm (equivalent focal length @ 1/2.8)	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.
Aperture	F1.3 ~ F2.2	ONVIF	Supported, specification available at <a href="http://www.onvif.org">www.onvif.org</a>
Iris type	P-iris	<b>Intelligent Video</b>	
Field of View	46° ~ 120° (Horizontal) 26° ~ 60° (Vertical) 53° ~ 152° (Diagonal)	Smart Motion Detection	Five-window video motion detection, human detection, time filter
Shutter Time	1/5 sec. to 1/32,000 sec.	VCA	Supported (line crossing detection, field detection, loitering detection)
WDR Technology	WDR Pro II	<b>Alarm and Event</b>	
Day/Night	Yes	Alarm Triggers	Motion detection, manual trigger, digital input, periodical trigger, system boot, recording notification, camera tampering detection, audio detection, MicroSD card life expectancy
Removable IR-cut filter	Yes	Alarm Events	Event notification using digital output, HTTP, SMTP, FTP, NAS server and MicroSD card File upload via HTTP, SMTP, FTP, NAS server and MicroSD card
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	<b>General</b>	
Minimum Illumination	0.04 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	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
Pan Range	353°	LED Indicator	System power and status indicator
Tilt Speed	65°	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
Tilt 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		
Video Streaming	Adjustable resolution, quality and constant bit rate control, Smart Stream III		

## Technical Specifications

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
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

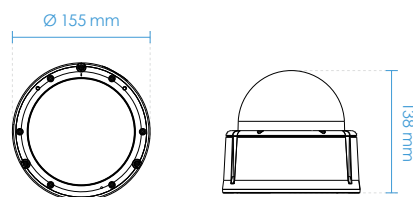
Operating System	Microsoft Windows 8/7
Web Browser	Mozilla Firefox 7~43 (streaming only) Internet Explorer 10/11
Other Players	VLC: 1.1.11 or above QuickTime: 7 or above

### Included Accessories

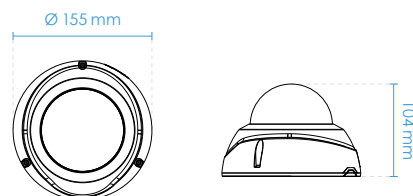
Others	Quick installation guide, warranty card, screw pack, alignment sticker
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### Dimensions

#### FD9365-EHTV/HTV



#### FD9365-HTVL



## Compatible Accessories

### Mounting Kits



AM-21A  
L-shape Bracket



AM-51C  
Adapting Plate



AM-525  
Mounting Adapter



AM-713(v01)  
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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