



FD9365-HTV **FD9365-EHTV**

Fixed Dome Network Camera

2MP 60 fps • SNV II • WDR Pro II • Remote Focus • Smart Stream III •
Smart IR II • 50M IR • IP66 • IK10 • Extreme Weather

The FD9365 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.

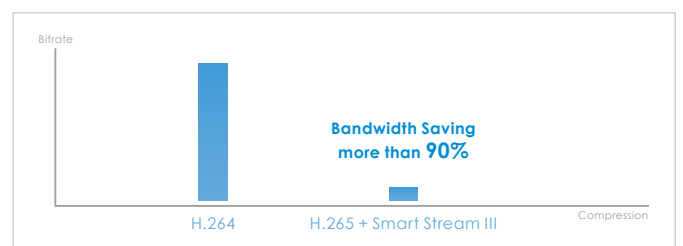
The FD9365 series also offers the best in night time surveillance technology. By adopting Smart IR II technology from VIVOTEK speed domes, the FD9365 IR illuminators now align with the remote focus lens' focus angle to provide the best IR image quality at any lens setting. This feature optimizes IR intensity, 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 and IK10 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
- 4 ~ 9 mm, Remote Focus, P-iris Lens
- Smart Stream III to Optimize Bandwidth Efficiency
- SNV II (Supreme Night Visibility) for Low Light Conditions
- WDR Pro II for Unparalleled Visibility in Extremely Bright and Dark Environments
- Built-in IR Illuminators, Effective up to 50 Meters
- Smart IR II Technology to Avoid Overexposure
- Two-way Audio
- 3D Noise Reduction for Low-light Conditions
- Built-in MicroSD/SDHC/SDXC card slot
- Weather-proof IP66-rated and Vandal-proof IK10-rated Housing
- -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 FD9365-EHTV: Vari-focal, Remote Focus, -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
System Information		Audio	
CPU	Multimedia SoC (System-on-Chip)	Audio Capability	Two-way audio
Flash	128MB	Compression	G.711, G.726
RAM	512MB	Interface	Built-in Mic External Mic input External line output
Camera Features		Effective Range	5 meters
Image Sensor	1/2" Progressive CMOS	Network	
Maximum Resolution	1920x1080	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, NTCIP
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 ~ 2.2	ONVIF	Supported, specification available at www.onvif.org
Auto-iris	P-iris	Intelligent Video	
Field of View	46° ~ 120° (Horizontal) 26° ~ 60° (Vertical) 53° ~ 152° (Diagonal)	Video Motion Detection	Five-window video motion detection
Shutter Time	1/5 sec. to 1/32,000 sec.	Alarm and Event	
WDR Technology	WDR Pro II	Alarm Triggers	Motion detection, manual trigger, digital input, periodical trigger, system boot, recording notification, camera tampering detection, audio detection, MicroSD card life expectancy
Day/Night	Removable IR-cut filter for day & night function	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
Minimum Illumination	0.04 Lux @ F1.3 (Color), 50IRE 0.002 Lux @ F1.3 (Color), 30IRE 0 Lux with IR LED on	General	
Pan Range	353°	Connectors	RJ-45 cable connector for Network/PoE connection Audio line in Audio line out AC 24V DC 12V Digital input *2 Digital output *2 TV out
Tilt Range	65°	LED Indicator	System power and status indicator
Rotation Range	180°	Power Input	FD9365-HTV: AC 24V, DC 12V, IEEE 802.3af PoE Class 0 FD9365-EHTV: AC 24V, DC 12V, IEEE 802.3at PoE Class 4
Pan/Tilt/Zoom Functionalities	ePTZ: 48x digital zoom (4x on IE plug-in, 12x built in)	Power Consumption	FD9365-HTV: Max. 11.9 W FD9365-EHTV: Max. 24.8 W
IR Illuminators	Built-in IR illuminators, effective up to 50 meters with Smart IR II, IR LED*5	Dimensions	Ø 155 x 138 mm
On-board Storage	Slot type: MicroSD/SDHC/SDXC card slot Seamless Recording	Weight	1,300 g
Video		Casing	IP66, IK10
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

Safety Certifications	CE, LVD, FCC Class A, VCCI, C-Tick, UL
Operating Temperature	FD9365-HTV: 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%

System Requirements

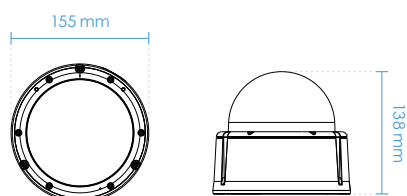
Operating System	Microsoft Windows 8/7
Web Browser	Mozilla Firefox 7~43 (streaming only) Internet Explorer 10/11

Other Players	VLC: 1.1.11 or above Quicktime: 7 or above
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Included Accessories

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



Compatible Accessories

Mounting Kits



AM-21A
L-shape Bracket



AM-51C
Adapting Plate



AM-525
Mounting Adapter



AM-713(v01)
Outdoor Conduit Box