



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 • NEMA 4X • 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.

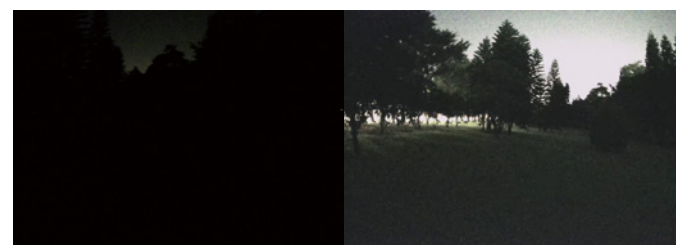
The FD9365 series also offers the best in night time surveillance technology. By adopting Smart IR II technology from VIVOTEK speed domes, the FD9365 IR illuminators now align with the remote focus lens' focus angle to provide the best IR image quality at any lens setting. This feature optimizes IR intensity, 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, IK10 and NEMA 4X rated housing, capable of operating from -50°C to 50°C (FD9365-EHTV).

* Depending on scenes

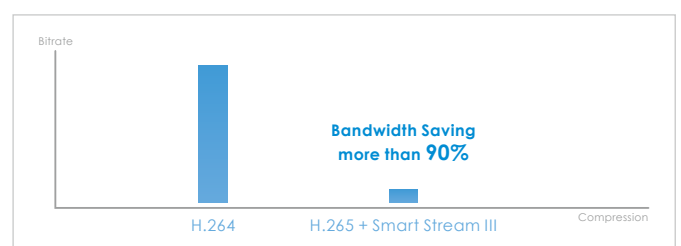
Key Features

- 60 fps @ 1920x1080
- H.265 Compression Technology
- 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
- 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
- -50°C ~ 50°C Wide Temperature Range for Extreme Weather Conditions (FD9365-EHTV)



Without SNV II

With SNV II



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

Technical Specifications

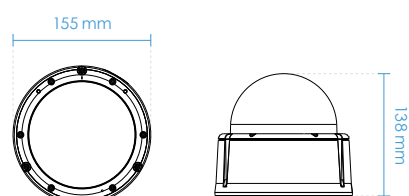
Model	FD9365-HTV: Vari-focal, Remote Focus FD9365-EHTV: Vari-focal, Remote Focus, -50 °C ~ 50 °C
System Information	
CPU	Multimedia SoC (System-on-Chip)
Flash	128MB
RAM	512MB
Camera Features	
Image Sensor	1/2" Progressive CMOS
Maximum Resolution	1920x1080
Lens Type	Vari-focal, Remote Focus
Focal Length	f = 4 ~ 9 mm f = 2.8 ~ 11.4 mm (equivalent focal length @ 1/2.8")
Aperture	F1.3 ~ F2.2
Auto-iris	P-iris
Field of View	46° ~ 120° (Horizontal) 26° ~ 60° (Vertical) 53° ~ 152° (Diagonal)
Shutter Time	1/5 sec. to 1/32,000 sec.
WDR Technology	WDR Pro II
Day/Night	Removable IR-cut filter for day & night function
Minimum Illumination	0.04 Lux @ F1.3 (Color), 50IRE 0.002 Lux @ F1.3 (Color), 30IRE 0 Lux with IR LED on
Pan Range	353°
Tilt Range	65°
Rotation Range	180°
Pan/Tilt/Zoom Functionalities	ePTZ: 48x digital zoom (4x on IE plug-in, 12x built in)
IR Illuminators	Built-in IR illuminators, effective up to 50 meters with Smart IR II, IR LED*5
On-board Storage	Slot type: MicroSD/SDHC/SDXC card slot Seamless Recording
Video	
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

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
Audio	
Audio Capability	Two-way audio
Compression	G.711, G.726
Interface	Built-in Mic External Mic input External line output
Effective Range	5 meters
Network	
Users	Live viewing for up to 10 clients
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
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.
ONVIF	Supported, specification available at www.onvif.org
Intelligent Video	
Smart Motion Detection	Five-window video motion detection, human detection, time filter
Alarm and Event	
Alarm Triggers	Motion detection, manual trigger, digital input, periodical trigger, system boot, recording notification, camera tampering detection, audio detection, MicroSD card life expectancy
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
General	
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
LED Indicator	System power and status indicator
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
Power Consumption	FD9365-HTV: Max. 11.9 W FD9365-EHTV: Max. 24.8 W
Dimensions	Ø 155 x 138 mm
Weight	1,300 g
Casing	IP66, IK10, NEMA 4X

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%
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
Dimensions	



Compatible Accessories

Mounting Kits



AM-21A
L-shape Bracket



AM-51C
Adapting Plate



AM-525
Mounting Adapter



AM-713(v01)
Outdoor Conduit Box