



FD9165-HT

Fixed Dome Network Camera



2MP 60 fps • SNV II • WDR Pro II • Remote Focus •
Smart Stream III • Smart IR II • 50M IR • PIR

The FD9165-HT is the new flagship indoor 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 FD9165-HT is capable of capturing the highest quality images in both low light and high contrast environments.

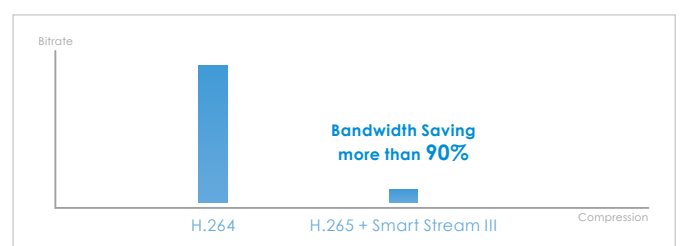
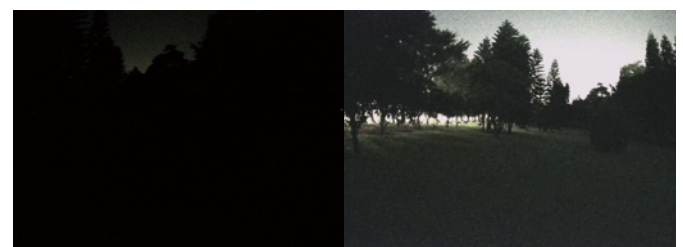
The FD9165-HT also offers the best in night time surveillance technology. By adopting Smart IR II technology from VIVOTEK speed domes, the FD9165-HT IR illuminators now align with the remote focus lens' focus angle to provide the best IR image quality at any lens setting. This feature optimizes IR intensity, reduces IR hotspots, and increases the IR effective range up to 50 meters.

Additionally, the FD9165-HT 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. The FD9165-HT also includes a PIR sensor as well as a built-in microphone, enabling further detection of unexpected events.

* 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



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

Technical Specifications

Model	FD9165-HT		
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 ~ 2.2		
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, NTCIP		
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			
Video Motion Detection	Five-window video motion detection		
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	AC 24V DC 12V IEEE 802.3af PoE Class 0		
Power Consumption	Max. 10.7 W		
Dimensions	Ø 139 x 104 mm		
Weight	490 g		
Safety Certifications	CE, LVD, FCC Class B, VCCI, C-Tick, UL		
Operating Temperature	Starting Temperature: 0°C ~ 50°C (32°F ~ 122°F) Working Temperature: -10°C ~ 50°C (14°F ~ 122°F)		
Humidity	90%		
Warranty	36 months		

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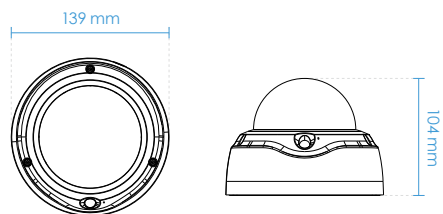
System Requirements

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



Compatible Accessories

Mounting Kits



AM-21A
L-shape Bracket



AM-514
Adapting Plate