



# FD9181-HT

Fixed Dome Network Camera



5MP · H.265 · Smart Stream II · 1080p 60 fps · WDR Pro · SNV · PIR · P-iris · 30M IR

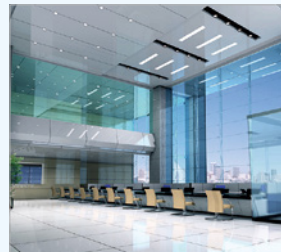
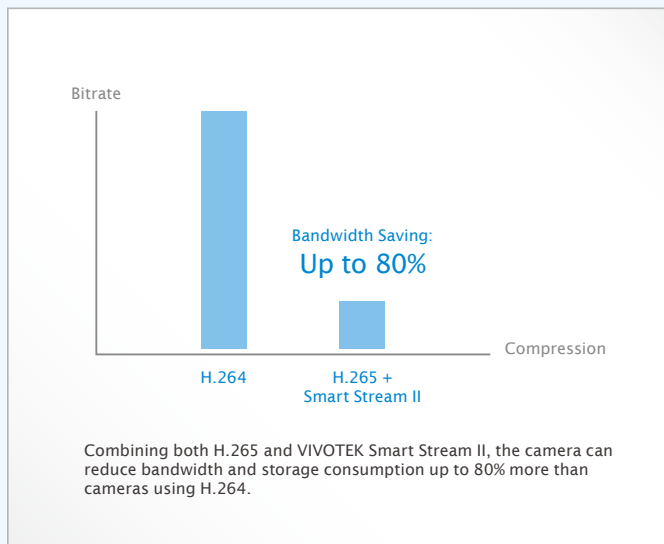
VIVOTEK's FD9181-HT is a brand-new professional H.265 high-efficiency indoor dome network camera, offering 30 fps @ 5-Megapixel or 60 fps @ 1080p with outstanding image quality. By employing H.265 technology, the camera is able to provide higher and more efficient image compression rates than previous H.264 systems. In addition, VIVOTEK's sophisticated Smart Stream II technology enables the cameras to optimize quality for desired regions and therefore to maximize efficiency of bandwidth usage. Combining both H.265 and Smart Stream II, the FD9181-HT can reduce bandwidth and storage consumption by up to 80%\* while retaining exceptional 5-Megapixel image quality.

To meet the demands of indoor applications, VIVOTEK's FD9181-HT features a built-in PIR sensor to help detect any unexpected events and to provide real-time responses .

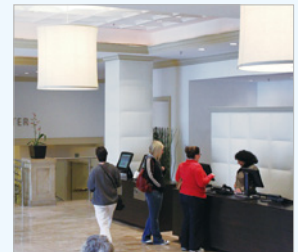
\* Depending on scenes

## Key Features

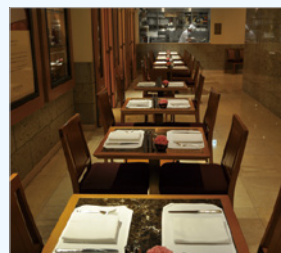
- H.265 Compression Technology
- 1/1.8" Progressive CMOS Sensor
- 30 fps @ 2560x1920, 60 fps @ 1920x1080
- Smart Stream II to Optimize Bandwidth Efficiency
- WDR Pro for Unparalleled Visibility in High Contrast Environments
- Built-in IR Illuminators, Effective up to 30 Meters
- Remote Focus for Easy Focus Adjustments
- SNV (Supreme Night Visibility) for Low Light Conditions
- PIR
- Video Rotation for Corridor View
- P-iris Lens
- DIS (Digital Image Stabilization)



Bank



Hotel

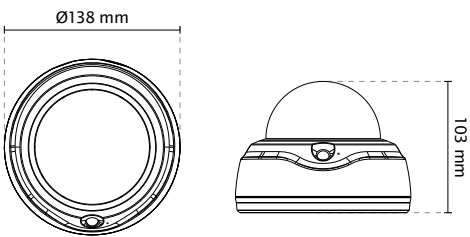


Restaurant



Store

## Technical Specifications

<b>Model</b>	FD9181-HT	<b>ONVIF</b>	Supported, specifications available at <a href="http://www.onvif.org">www.onvif.org</a>
<b>System Information</b>		<b>Intelligent Video</b>	
<b>CPU</b>	Multimedia SoC (System-on-Chip)	<b>Video Motion Detection</b>	Five-window video motion detection
<b>Flash</b>	128MB	<b>VCA*</b>	Line crossing detection, field detection, loitering detection
<b>RAM</b>	512MB	<b>Alarm and Event</b>	
<b>Camera Features</b>		<b>Alarm Triggers</b>	Motion detection, manual trigger, digital input, periodical trigger, system boot, recording notification, camera tampering detection, audio detection
<b>Image Sensor</b>	1/1.8" Progressive CMOS	<b>Alarm Events</b>	Event notification using digital output, HTTP, SMTP, FTP and NAS server, SD Card File upload via HTTP, SMTP, FTP, NAS server and SD card
<b>Maximum Resolution</b>	2560x1920 (5MP)	<b>General</b>	
<b>Lens Type</b>	Vari-Focal	<b>Smart Focus System</b>	Remote Focus
<b>Focal Length</b>	f = 4 ~ 9 mm	<b>Connectors</b>	RJ-45 cable connector for Network/PoE connection Audio input Audio output DC 12V power input Digital input*1 Digital output*1
<b>Aperture</b>	F1.3 ~ F2.2	<b>LED Indicator</b>	System power and status indicator
<b>Auto-iris</b>	P-iris	<b>Power Input</b>	DC12V IEEE 802.3af/at PoE Class 0
<b>Field of View</b>	45° ~ 93° (Horizontal) 34° ~ 68° (Vertical) 64° ~ 121° (Diagonal)	<b>Power Consumption</b>	Max. 12.8 W
<b>Shutter Time</b>	1/5 sec. to 1/32,000 sec.	<b>Dimensions</b>	Ø 138 x 103 mm
<b>WDR Technology</b>	WDR Pro	<b>Weight</b>	530 g
<b>Day/Night</b>	Removable IR-cut filter for day & night function	<b>Safety Certifications</b>	CE, LVD, FCC Class B, VCCI, C-Tick, UL
<b>Minimum Illumination</b>	0.04 Lux @ F1.3 (Color) 0.001 Lux @ F1.3 (B/W)	<b>Operating Temperature</b>	Starting Temperature: 0°C ~ 50°C (32°F ~ 122°F) Working Temperature: -10°C ~ 50°C (14°F ~ 122°F)
<b>Pan/Tilt/Zoom Functionalities</b>	ePTZ: 48x digital zoom (4x on IE plug-in, 12x built in)	<b>Humidity</b>	90%
<b>IR Illuminators</b>	30 meters	<b>Warranty</b>	36 months
<b>On-board Storage</b>	Slot type: MicroSD/SDHC/SDXC card slot Seamless Recording	<b>System Requirements</b>	
<b>Video</b>		<b>Operating System</b>	Microsoft Windows 8/7/Vista/XP/2000
<b>Compression</b>	H.265 & H.264 & MJPEG	<b>Web Browser</b>	Mozilla Firefox 7~10 (streaming only) Internet Explorer 7/8/9/10/11
<b>Maximum Frame Rate</b>	H.265 & H.264: 30 fps @ 2560x1920 60 fps @ 1920x1080 MJPEG: 12 fps @ 2560x1920 30 fps @ 1920x1080	<b>Other Players</b>	VLC: 1.1.11 or above Quicktime: 7 or above
<b>Maximum Streams</b>	4 simultaneous streams	<b>Included Accessories</b>	
<b>S/N Ratio</b>	57 dB	<b>CD</b>	User's manual, quick installation guide, Installation Wizard 2, VAST
<b>Dynamic Range</b>	100 dB	<b>Others</b>	Quick installation guide, screw pack, alignment sticker, CD
<b>Video Streaming</b>	Adjustable resolution, quality and bitrate Smart Stream II	<b>Dimensions</b>	
<b>Image Settings</b>	Time stamp, text overlay, flip & mirror Configurable brightness, contrast, saturation, sharpness, white balance, exposure control, gain, backlight compensation, privacy masks Scheduled profile settings, 3DNR, video rotation, defog, DIS		
<b>Audio</b>			
<b>Audio Capability</b>	Two-Way Audio (full duplex)		
<b>Compression</b>	G711, G726		
<b>Interface</b>	Internal microphone input Audio output		
<b>Effective Range</b>	5m		
<b>Network</b>			
<b>Users</b>	Live viewing for up to 10 clients		
<b>Protocols</b>	IPv4, IPv6, TCP/IP, HTTP, HTTPS, UPnP, RTSP/RTP/RTCP, IGMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPoE, CoS, QoS, SNMP, 802.1X, UDP, ICMP, ARP, SSL, TLS		
<b>Interface</b>	10 Base-T/100 BaseTX Ethernet (RJ-45) *It is highly recommended to use standard CAT5e & CAT6 cables which are compliant with the 3P/ETL standard.		

\* Available per project request.

## Compatible Accessories

### Mounting Kits



**AM-215 (v02)**  
L Shape Bracket



**AM-514**  
Adapter Ring



**AM-527 (v01)**  
Mounting Adapter



**AM-712 (v03)**  
Conduit Box



**AP-FXC-0201**  
PoE Extender with  
Conduit Box

### PoE Kits

All specifications are subject to change without notice. Copyright © VIVOTEK INC. All rights reserved.