VIVOTEK

FD9171-HT
Fixed Dome Network Camera

V series

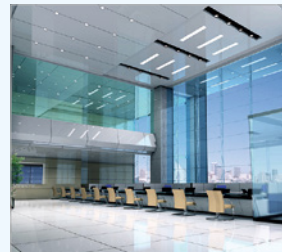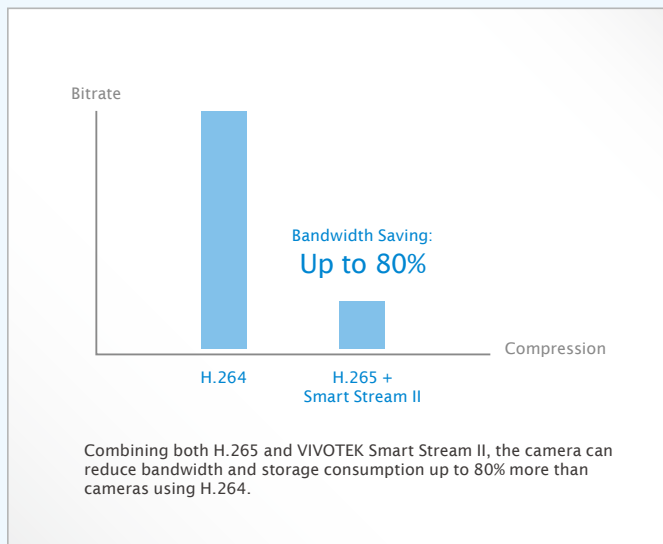3MP · H.265 Compression · Smart Stream II · Bandwidth Saving · WDR Pro · SNV · PIR · P-iris · 30M IR · DIS

VIVOTEK's FD9171-HT is a brand-new professional H.265 high-efficiency indoor dome network camera, offering 30 fps @ 3-Megapixels with outstanding image quality. Employing H.265 technology enables the camera to provide higher and more efficient image compression rates than previous H.264 systems. In addition, VIVOTEK's sophisticated Smart Stream II enables the camera to optimize resolution for a desired object or area and therefore to maximize efficiency of bandwidth usage. Combining H.265 and Smart Stream II, the FD9171-HT can reduce both bandwidth and storage consumption up to 80%* while producing image quality of the high standard.

To meet the demands of indoor applications, VIVOTEK's FD9171-HT features a built-in PIR sensor to help detect any unexpected events and to provide real-time responses .
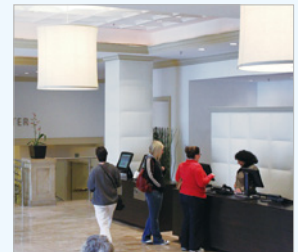
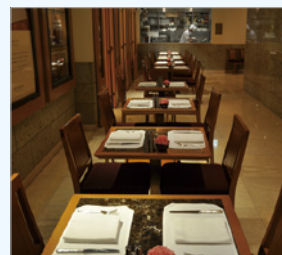* Depending on scenes

Key Features

· H.265 Compression Technology
· 1/2.8" Progressive CMOS Sensor
· 30 fps @ 2048x1536
· 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)

Bitrate

Bandwidth Saving:
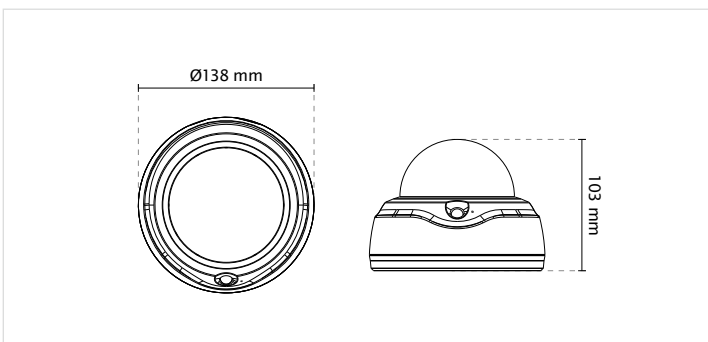Up to 80%

Compression

H.264   H.265 +
Smart Stream II

Combining both H.265 and VIVOTEK Smart Stream II, the camera can reduce bandwidth and storage consumption up to 80% more than cameras using H.264.

Banking

Hotel

Restaurant

Stores

Technical Specifications

Model	FD9171-HT

System Information

CPU	Multimedia SoC (System-on-Chip)
Flash	128MB
RAM	512MB

Camera Features

Image Sensor	1/2.8" Progressive CMOS
Maximum Resolution	2048x1536 (3MP)
Lens Type	Vari-Focal
Focal Length	f=3~9 mm
Aperture	F1.2~F2.3
Auto-iris	P-Iris
Field of View	41˚ ~ 86˚ (Horizontal) 31˚ ~ 64˚ (Vertical) 51˚ ~ 113 (Diagonal)
Shutter Time	1/5 sec. to 1/16000 sec.
WDR Technology	WDR Pro
Day/Night	Removable IR-cut filter for day & night function
Minimum Illumination	0.01 Lux @ F1.2 (Color) 0.001 Lux @ F1.2 (B/W)
Pan/Tilt/Zoom Functionalities	ePTZ: 48x digital zoom (4x on IE plug-in, 12x built in)
IR Illuminators	30 meters
On-board Storage	Slot type: MicroSD/SDHC/SDXC card slot Seamless Recording

Video

Compression	H.265 & H.264 & MJPEG
Maximum Frame Rate	H.264 & H.265: 30fps@ 2048x1536 MJPEG: 15fps@ 2048x1536
Maximum Streams	3 simultaneous streams
S/N Ratio	43 dB
Dynamic Range	100 dB
Video Streaming	Adjustable resolution, quality and bitrate Smart Stream II
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, 3DNR, video rotation, defog, DIS

Audio

Audio Capability	Two-Way Audio (full duplex)
Compression	G711, G726
Interface	Built-in microphone External line input External line output
Effective Range	5m

Network

Users	Live viewing for up to 10 clients
Protocols	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
Interface	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

ONVIF	Supported, specifications available at www.onvif.org

Intelligent Video

Video Motion Detection	Five-window video motion detection
VCA*	Line crossing detection, field detection, loitering detection

Alarm and Event

Alarm Triggers	Video motion detection, manual trigger, digital input, periodical trigger, system boot, recording notification, camera tampering detection, audio detection
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

Smart Focus System	Remote Focus
Connectors	RJ-45 cable connector for Network/PoE connection Audio input Audio output DC 12V power inout Digital input*1 Digital output*1
LED Indicator	System power and status indicator
Power Input	12V DC IEEE 802.3af/at PoE, Class 0
Power Consumption	Max. 12W
Dimensions	Ø 138 x 103 mm
Weight	530 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

System Requirements

Operating System	Microsoft Windows 8/7/Vista/XP/2000
Web Browser	Mozilla Firefox 7~43 (streaming only) Internet Explorer 7/8/9/10/11
Other Players	VLC: 1.1.11 or above Quicktime: 7 or above

Included Accessories

CD	User's manual, quick installation guide, Shepherd, VAST
Others	Quick installation guide, screw pack, alignment sticker

* Available per project request.

Dimensions

Ø138 mm

103 mm

Compatible Accessories

Mounting Kits

AM-215 (v02)
L Shape Bracket

AM-514 (v01)
Adapter Ring

AM-527 (v01)
Mounting Adapter

AM-712
Conduit Box

PoE Kits

AP-FXC-0201
PoE Extender with Conduit Box

VIVOTEK INC.

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