



# FD8181

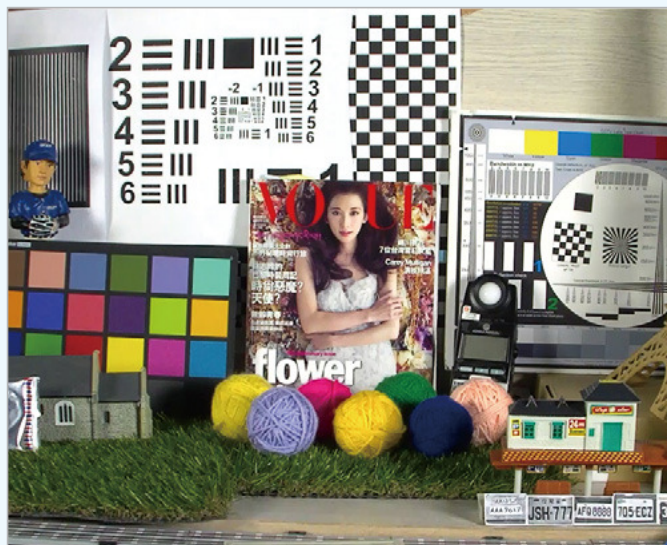
Fixed Dome Network Camera

5MP 25 fps · 30M IR · Smart Focus System · PIR · Smart Stream

VIVOTEK FD8181 is a brand-new professional indoor dome network camera offering up to 25 fps @ 5-Megapixel or 30 fps @ 1080p resolution with superb image quality. Equipped with new image processing technology, FD8181 provides excellent image quality and finer detail than ever before. The powerful 3D Noise Reduction technology and Smart Stream technology enable the FD8181 to optimize resolution on a desired object or area to maximize efficiency of bandwidth usage.

## Key Features

- 5-Megapixel CMOS Sensor
- 25 fps @ 2560x1920
- 3 ~ 10 mm Vari-focal, Remote Focus, P-iris Lens
- Removable IR-cut Filter for Day & Night Function
- Built-in IR Illuminators, Effective up to 30 Meters
- Real-time H.264, and MJPEG Compression
- Two-way Audio
- WDR Enhancement for Unparalleled Visibility in Extremely Bright and Dark Environments
- Smart Focus System for Remote and Precise Focus Adjustment
- PIR
- Built-in 802.3at Compliant PoE
- Built-in MicroSD/SDHC/SDXC Card Slot for On-board Storage
- Smart IR Technology to Avoid Overexposure
- Smart Stream



Snapshot from FD8181



Indoor Lobby



Office



Hotel



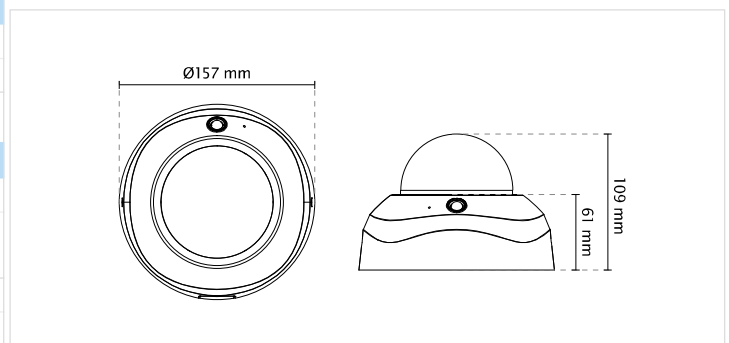
Bank

## Technical Specifications

Model	FD8181
<b>System Information</b>	
CPU	Multimedia SoC (System-on-Chip)
Flash	256 MB
RAM	512 MB
<b>Camera Features</b>	
Image Sensor	1/3.2" Progressive CMOS
Maximum Resolution	2560x1920
Lens Type	Vari-focal
Focal Length	f = 3~ 10 mm
Aperture	F1.3 ~ F2.5
Auto-iris	P-iris
Field of View	28° ~ 82° (Horizontal) 21° ~ 61° (Vertical) 37° ~ 107° (Diagonal)
Shutter Time	1/5 sec. to 1/32,000 sec.
WDR Technology	WDR Enhanced
Day/Night	Removable IR-cut filter for day & night function
Minimum Illumination	0.27 Lux @ F1.3 (Color) 0.001 Lux @ F1.3 (B/W)
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 30 meters with Smart IR
On-board Storage	MicroSD/SDHC/SDXC card slot
<b>Video</b>	
Compression	H.264 & MJPEG
Maximum Frame Rate	H.264: 25 fps at 2560x1920 30 fps at 1920x1080 MJPEG: 25 fps at 2560x1920 30 fps at 1920x1080
Maximum Streams	3 simultaneous streams
S/N Ratio	Above 62 dB
Dynamic Range	69 dB
Video Streaming	Adjustable resolution, quality and bitrate
Image Settings	Adjustable image size, quality and bit rate, time stamp, text overlay, flip & mirror, configurable brightness, contrast, saturation, sharpness, white balance, exposure control, gain, backlight compensation, privacy masks, scheduled profile settings, seamless recording, smart stream, 3D Noise Reduction
<b>Audio</b>	
Audio Capability	Audio input/output (full duplex)
Compression	AAC, G.711, G.726
Interface	Built-in microphone Audio output
<b>Network</b>	
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
Interface	10Base-T/100 BaseTX Ethernet (RJ-45)
ONVIF	Supported, specification available at <a href="http://www.onvif.org">www.onvif.org</a>

<b>Intelligent Video</b>	
Video Motion Detection	Triple-window video motion detection
<b>Alarm and Event</b>	
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 and NAS server, SD Card File upload via HTTP, SMTP, FTP, NAS server and SD card
<b>General</b>	
Smart Focus System	Remote focus
Connectors	RJ-45 cable connector for Network/PoE connection Audio input Audio output AC 24V power input DC 12V power input Digital input*1 Digital output*1 Analog video output
LED Indicator	System power and status indicator
Power Input	24V AC 12V DC IEEE 802.3at PoE
Power Consumption	Max. 9.54W (DC 12V) Max. 10.47W (AC 24V) Max. 10.49W (PoE)
Dimensions	Ø: 157 mm x 109 mm
Weight	Net: 758g
Safety Certifications	CE, LVD, FCC Class B, VCCI, C-Tick, UL
Operating Temperature	Starting Temperature: -10°C ~ 50°C (14°F~ 122°F) Working Temperature: -20°C ~ 50°C (-4°F~ 122°F)
Warranty	36 months
<b>System Requirements</b>	
Operating System	Microsoft Windows 7/8/Vista/XP/2000
Web Browser	Mozilla Firefox 7~10 (Streaming only) Internet Explorer 7.x, 8.x, 9.x, 10.x, 11.x
Other Players	VLC: 1.1.11 or above Quicktime: 7 or above
<b>Included Accessories</b>	
CD	User's manual, quick installation guide, Installation Wizard 2, ST7501 32-channel recording software
Others	Quick installation guide, warranty card, alignment sticker, desiccant bag, screw

## Dimensions



## Compatible Accessories

### Mounting Kits



**AM-215**  
L Shape Bracket



**AM-516**  
Adaptor Ring



**AM-520**  
Mounting Adapter



**AM-51A**  
Mounting Adapter



**AM-102**  
Recessed Kit

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