



FD8169A

Fixed Dome Network Camera



2MP · 20M IR · Smart Stream II · SNV · Defog · VIVOCLOUD

VIVOTEK's FD8169A is an easy-to-use fixed dome network camera specifically designed for indoor security applications, with a 2MP sensor enabling a viewing resolution of 1920x1080 at a smooth 30 fps. Dynamic and highly adaptable, the FD8169A is an all-in-one camera capable of capturing high quality video at high resolutions of up to 2 Megapixels.

The FD8169A features VIVOTEK's sophisticated Smart Stream II technology, allowing the camera to optimize image quality for desired regions, and thus ensure maximum efficiency of bandwidth usage and savings of up to 50% on bandwidth and storage requirements.

What's more, in order to adapt to constantly changing lighting conditions, the FD8169A features a removable IR-cut filter as well as IR illuminators effective up to 20M for superior image quality around the clock. Incorporating a number of advanced features standard for VIVOTEK cameras, including video rotation, defog, a dedicated MicroSD/SDHC/SDXC card slot, and VIVOTEK's 32-channel recording software, the FD8169A is the ideal solution for your indoor surveillance needs.

Key Features

- 2-Megapixel CMOS Sensor
- 30 fps @ 1920x1080
- Real-time H.264, MJPEG Compression (Dual Codec)
- Removable IR-cut Filter for Day & Night Function
- Built-in IR Illuminators, Effective up to 20 Meters
- Built-in 802.3af Compliant PoE
- Built-in MicroSD/SDHC/SDXC Card Slot for On-board Storage
- Supports ONVIF Standard to Simplify Integration and Enhance Interoperability
- SNV (Supreme Night Visibility) for Low Light Conditions
- Smart Stream II to Optimize Bandwidth Efficiency
- 3D Noise Reduction
- Smart IR Technology to Avoid Overexposure
- VIVOCLOUD Mobile App
- Trend Micro IoT Security within Standard Warranty Period



Without Smart Stream II

With Smart Stream II

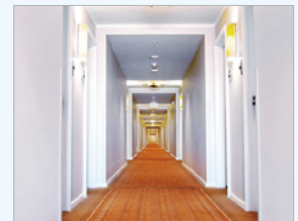


Ordinary Camera

VIVOTEK SNV Camera



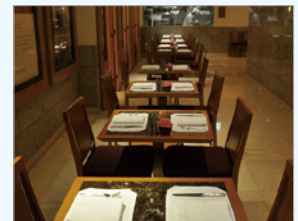
Library



Hotel



Retail



Restaurant

Technical Specifications

Model	FD8169A	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.
System Information		ONVIF	Supported, specification available at www.onvif.org
CPU	Multimedia SoC (System-on-Chip)	Intelligent Video	
Flash	128MB	Video Motion Detection	Five-window video motion detection
RAM	256MB	Alarm and Event	
Camera Features		Alarm Triggers	Motion detection, manual trigger, periodical trigger, system boot, recording notification, camera tampering detection
Image Sensor	1/2.9 Progressive CMOS	Alarm Events	Event notification using HTTP, SMTP, FTP, NAS server and MicroSD card File upload via HTTP, SMTP, FTP, NAS server and MicroSD card
Maximum Resolution	1920x1080 (2MP)	General	
Lens Type	Fixed-focal	Connectors	RJ-45 for Network/PoE connection
Focal Length	f = 2.8 mm	LED Indicator	System power and status indicator
Aperture	F1.8	Power Input	IEEE 802.3af PoE Class 0
Field of View	114° (Horizontal) 61° (Vertical) 132° (Diagonal)	Power Consumption	Max: 8.5 W
Shutter Time	1/5 sec. to 1/32,000 sec.	Dimensions	Ø: 129 mm x 94 mm
WDR Technology	WDR Enhanced	Weight	Net: 416.4 g
Day/Night	Removable IR-cut filter for day & night function	Safety Certifications	CE, LVD, FCC Class B, VCCI, C-Tick, UL
Minimum Illumination	0.06 Lux @ F1.8 (Color) 0.01 Lux @ F1.8 (B/W)	Operating Temperature	Starting Temperature: 0°C ~ 50°C (32°F ~ 122°F) Working Temperature: -10°C ~ 50°C (14°F ~ 122°F)
Pan/Tilt/Zoom Functionalities	ePTZ: 48x digital zoom (4x on IE plug-in, 12x built-in)	Humidity	90%
IR Illuminators	Built-in IR illuminators, effective up to 20 meters with Smart IR IR LED*8	Warranty	24 months
On-board Storage	Slot type: MicroSD/SDHC/SDXC card slot Seamless Recording	System Requirements	
Video		Operating System	Microsoft Windows 8/7
Compression	H.264 & MJPEG	Web Browser	Internet Explorer 10/11 Chrome version 58.0.3029 or above
Maximum Frame Rate	30 fps @ 1920x1080 In both compression modes	Other Players	VLC: 1.1.11 or above QuickTime: 7 or above
Maximum Streams	4 simultaneous streams	Included Accessories	
S/N Ratio	68.5 dB	Others	Quick installation guide, alignment sticker, screw pack
Dynamic Range	69.4 dB	Dimensions	
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, 3D noise reduction, video rotation, defog		
Audio*			
Audio Capability	One-way audio		
Compression	G.711, G.726		
Interface	Built-in microphone		
Effective Range	5 meters		
*Audio feature is only available on part number 100168800G and 100192100G.			
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, CIFS/SMB		

Compatible Accessories

Mounting Kits



AM-21A
L-shape Bracket



AM-528
Mounting Adapter



AM-51D
Adapter Ring

Cloud-based Solution



Ordering Information

Model	Description	Part Number
FD8169A	2MP, 20M IR, Fixed-focal, Operating Temp. -10°C ~ 50°C	100144600G
FD8169A (Audio)	2MP, 20M IR, Fixed-focal, Build-in Mic, Operating Temp. -10°C ~ 50°C	100168800G
FD8169A (Black)	2MP, 20M IR, Fixed-focal, Build-in Mic, Operating Temp. -10°C ~ 50°C, Black	100192100G