



# 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.

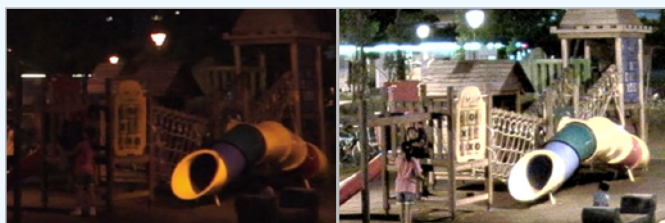
## Key Features

- 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



Without Smart Stream II

With Smart Stream II

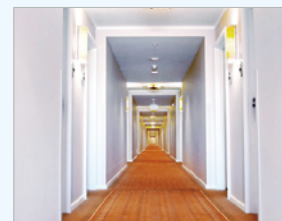


Ordinary Camera

VIVOTEK SNV Camera



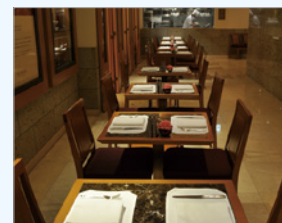
Library



Hotel

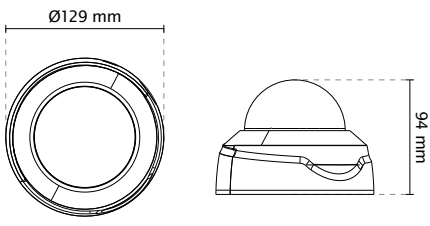


Retail



Restaurant

## Technical Specifications

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

## Compatible Accessories

### Mounting Kits



**AM-21A**  
L-shape Bracket



**AM-528**  
Mounting Adapter



**AM-51D**  
Adapter Ring

## Cloud-based Solution

