



# FD8169A

Fixed Dome Network Camera



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

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



Without Smart Stream II

With Smart Stream II

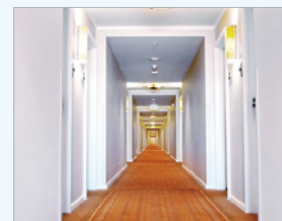


Ordinary Camera

VIVOTEK SNV Camera



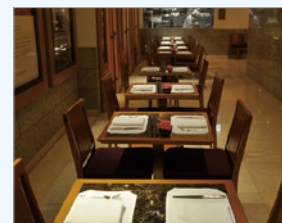
Library



Hotel

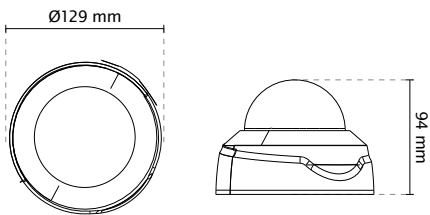


Retail



Restaurant

## Technical Specifications

<b>Model</b>	FD8169A	<b>ONVIF</b>	Supported, specification 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>Alarm and Event</b>	
<b>RAM</b>	256MB	<b>Alarm Triggers</b>	Motion detection, manual trigger, periodical trigger, system boot, recording notification, camera tampering detection
<b>Camera Features</b>		<b>Alarm Events</b>	Event notification using HTTP, SMTP, FTP and NAS server, SD Card File upload via HTTP, SMTP, FTP, NAS server and SD card
<b>Image Sensor</b>	1/2.9 Progressive CMOS	<b>General</b>	
<b>Maximum Resolution</b>	1920x1080 (2MP)	<b>Connectors</b>	RJ-45 for Network/PoE connection
<b>Lens Type</b>	Fixed-focal	<b>LED Indicator</b>	System power and status indicator
<b>Focal Length</b>	f = 2.8 mm	<b>Power Input</b>	IEEE 802.3af PoE Class 0
<b>Aperture</b>	F1.8	<b>Power Consumption</b>	Max: 8.5 W
<b>Field of View</b>	105° (Horizontal) 60° (Vertical) 109° (Diagonal)	<b>Dimensions</b>	Ø: 129 mm x 94 mm
<b>Shutter Time</b>	1/5 sec. to 1/32,000 sec.	<b>Weight</b>	Net: 416.4 g
<b>WDR Technology</b>	WDR Enhanced	<b>Safety Certifications</b>	CE, LVD, FCC Class B, VCCI, C-Tick
<b>Day/Night</b>	Removable IR-cut filter for day & night function	<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>Minimum Illumination</b>	0.06 Lux @ F1.8 (Color) 0.01 Lux @ F1.8 (B/W)	<b>Humidity</b>	90%
<b>Pan/Tilt/Zoom Functionalities</b>	ePTZ: 48x digital zoom (4x on IE plug-in, 12x built-in)	<b>Warranty</b>	24 months
<b>IR Illuminators</b>	Built-in IR illuminators, effective up to 20 meters with Smart IR IR LED*8	<b>System Requirements</b>	
<b>On-board Storage</b>	MicroSD/SDHC/SDXC card slot Seamless Recording	<b>Operating System</b>	Microsoft Windows 8/7/Vista/XP/2000
<b>Video</b>		<b>Web Browser</b>	Mozilla Firefox 7~43 (streaming only) Internet Explorer 7/8/9/10/11
<b>Compression</b>	H.264 & MJPEG	<b>Other Players</b>	VLC: 1.1.11 or above QuickTime: 7 or above
<b>Maximum Frame Rate</b>	30 fps @ 1920x1080 In both compression modes	<b>Included Accessories</b>	
<b>Maximum Streams</b>	4 simultaneous streams	<b>CD</b>	User's manual, quick installation guide, Installation Wizard 2, VAST 32-CH Software
<b>S/N Ratio</b>	68.5 dB	<b>Others</b>	Quick installation guide, alignment sticker, screw pack
<b>Dynamic Range</b>	69.4 dB	<b>Dimensions</b>	
<b>Video Streaming</b>	Adjustable resolution, quality and bitrate Smart Stream II		
<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, 3D noise reduction, video rotation, defog		
<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.		

## Compatible Accessories

### Mounting Kits



**AM-21A**  
L-shape Bracket  
(Coming Soon)



**AM-528**  
Mounting Adapter



**AM-51D**  
Adapter Ring

## Cloud based Solution

