FD8169A

Fixed Dome Network Camera

C series

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
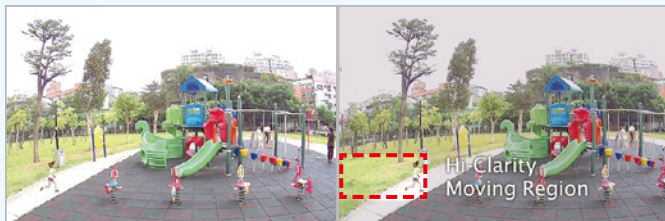
Without Smart Stream II

With Smart Stream II

Hi-Clarity Moving Region

Library
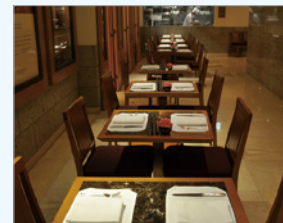
Hotel

Ordinary Camera

VIVOTEK SNV Camera

Retail

Restaurant

Technical Specifications

Model	FD8169A

System Information

CPU	Multimedia SoC (System-on-Chip)
Flash	128MB
RAM	256MB

Camera Features

Image Sensor	1/2.9 Progressive CMOS
Maximum Resolution	1920x1080 (2MP)
Lens Type	Fixed-focal
Focal Length	f = 2.8 mm
Aperture	F1.8
Field of View	114˚ (Horizontal) 61˚ (Vertical) 132˚ (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	0.06 Lux @ F1.8 (Color) 0.01 Lux @ F1.8 (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 20 meters with Smart IR IR LED*8
On-board Storage	MicroSD/SDHC/SDXC card slot Seamless Recording

Video

Compression	H.264 & MJPEG
Maximum Frame Rate	30 fps @ 1920x1080 In both compression modes
Maximum Streams	4 simultaneous streams
S/N Ratio	68.5 dB
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

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, specification available at www.onvif.org

Intelligent Video

Video Motion Detection	Five-window video motion detection

Alarm and Event

Alarm Triggers	Motion detection, manual trigger, periodical trigger, system boot, recording notification, camera tampering detection
Alarm Events	Event notification using HTTP, SMTP, FTP and NAS server, SD Card File upload via HTTP, SMTP, FTP, NAS server and SD card

General

Connectors	RJ-45 for Network/PoE connection
LED Indicator	System power and status indicator
Power Input	IEEE 802.3af PoE Class 0
Power Consumption	Max: 8.5 W
Dimensions	Ø: 129 mm x 94 mm
Weight	Net: 416.4 g
Safety Certifications	CE, LVD, FCC Class B, VCCI, C-Tick
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	24 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, Installation Wizard 2, VAST 32-CH Software
Others	Quick installation guide, alignment sticker, screw pack

Dimensions

Ø129 mm
94 mm
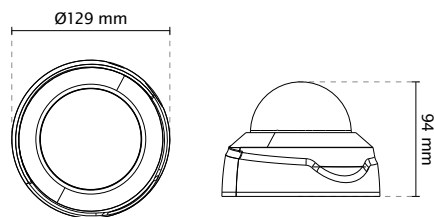
Compatible Accessories

Mounting Kits

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

AM-528
Mounting Adapter

AM-51D
Adapter Ring

Cloud-based Solution

Stratocast™