VIVOTEK

C series

FD816CA-HF2
Fixed Dome Network Camera

2MP · WDR Pro · SNV · Smart Stream II · 3DNR · PoE · Compact Size · Recessed Mount

VIVOTEK's FD816CA-HF2 is an ultra-mini, recessed-mount fixed dome network camera, offering superb image quality up to 30 fps at 2-Megapixel resolution. Due to its compact design (only 60mm in diameter), the camera is able to blend into any indoor surveillance space such as retail, banks, restaurants, offices and other public areas.

Featuring VIVOTEK's WDR Pro and SNV technology, the FD816CA-HF2 provides superior visibility in high-contrast lighting environments and high-quality full-color surveillance video even under low-light conditions. Armed with VIVOTEK's

sophisticated Smart Stream II technology, the camera optimizes image quality for desired regions, and thus ensuring maximum efficiency of bandwidth usage and savings of up to 50% on bandwidth and storage requirements.

As an all-in-one camera, the FD816CA-HF2 is designed for easy installation with PoE power, making setup both quick and simple. The camera is also completely compatible with VIVOTEK's VAST free 32-channel recording software. With all of these benefits and more, the FD816CA-HF2 will fulfill your surveillance needs.

Key Features

· 2-Megapixel CMOS Sensor
· 30 fps @ 1920 x 1080
· Real-time H.264 and MJPEG Compression (Dual Codec)
· WDR Pro (100dB) to Provide Extreme Visibility in High Light Contrast Scenes
· SNV (Supreme Night Visibility)
· Smart Stream II to Optimize Bandwidth Efficiency
· 3D Noise Reduction for Low-light Conditions
· 70˚ Tilt Lens
· Built-in IEEE 802.3af Compliant PoE
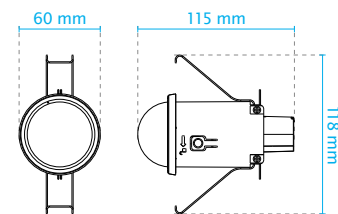· Built-in MicroSD/SDHC/SDXC Card Slot for On-board Storage

60 mm

Ultra-mini Recessed-Mount Fixed Dome Network Camera

Technical Specifications

Model	FD816CA-HF2

System Information

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

Camera Features

Image Sensor	1/2.7" Progressive CMOS
Maximum Resolution	1920x1080 (2MP)
Lens Type	Fixed-focal
Focal Length	f = 2.8 mm
Aperture	F1.8
Field of View	122˚ (Horizontal) 66˚ (Vertical) 142˚ (Diagonal)
Shutter Time	1/5 sec. to 1/32,000 sec.
WDR Technology	WDR Pro
Minimum Illumination	0.15 Lux @ F1.8 (Color) < 0.01 Lux @ F1.8 (B/W)
Pan/Tilt/Zoom Functionalities	ePTZ: 4x digital zoom IE plug-in
On-board Storage	Slot type: MicroSD/SDHC/SDXC card slot Seamless Recording

Video

Compression	H.264 & MJPEG
Maximum Frame Rate	30 fps @ 1920x1080
Maximum Streams	3 simultaneous streams
S/N Ratio	66 dB
Dynamic Range	100 dB
Video Streaming	Adjustable resolution, quality and bitrate; Smart Stream II
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, 3DNR

Audio

Audio Capability	One-way Audio
Compression	G.711, G.726
Interface	Buit-in Microphone
Effective Range	5 Meters

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
Interface	10Base-T/100 BaseTX Ethernet (RJ-45) *It is highly recommended to use standard Cat. 5e & Cat. 6 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, audio detection
Alarm Events	Event notification using HTTP, SMTP, FTP, NAS server and MicroSD Card File upload via HTTP, SMTP, FTP, NAS server and MicroSD card

General

Connectors	RJ-45 for Network/PoE connection
LED Indicator	System power and status indicator
Power Input	IEEE 802.3af PoE Class 2
Power Consumption	Max. 3.3 W
Dimensions	Ø 60 x 115 mm
Weight	Net: 138 g
Safety Certifications	CE, LVD, FCC Class B, VCCI, C-Tick, UL
Operating Temperature	Starting Temperature: 0˚C ~ 45˚C (32˚F~ 113˚F) Working Temperature: -10˚C ~ 45˚C (14˚F~ 113˚F)
Warranty	24 months

System Requirements

Operating System	Microsoft Windows 8/7
Web Browser	Internet Explorer 10/11 Chrome version 58.0.3029 or above
Other Players	VLC: 1.1.11 or above QuickTime: 7 or above

Included Accessories

Others	Quick installation guide

Dimensions

60 mm   115 mm   118 mm

Compatible Accessories

Mounting Kits	Dome Covers	
AM-526 Pendant mount adapter for 3/4" NPT Pipe	**AC-227** Transparent Cover (Plastic Case)	**AC-229** Transparent Cover (IK10 Case)

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