

FD816C-HF2

Fixed Dome Network Camera



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

The VIVOTEK FD816C-HF2 is a recessed-mount fixed dome network camera offering up to 30 fps at 2-Megapixel resolution with superb image quality, even in the darkest hours of the night. Due to its compact size, the camera is able to blend into any surroundings such as banks, retail stores, restaurants, offices and more.

Featuring the improved Wide Dynamic Range Technology, WDR Pro, the FD816C-HF2 provides superior visibility in high-contrast lighting environments with a 2-shutter capture method, and with SNV technology, it makes high-quality full-color surveillance video possible under low-light conditions. At the other end of the spectrum, 3D Noise Reduction Technology allows users to enjoy an increased level of image detail in extremely dark environments without consuming or wasting unreasonably high bandwidth.

To dramatically reduce file sizes and conserve valuable network bandwidth, the FD816C-HF2 supports Smart Stream and industry-standard H.264 compression technology. Combined with the ST7501 multi-lingual 32-channel recording software, users can quickly and easily set up an IP surveillance system that's simple to operate but hard to beat.

Key Features

- 2-Megapixel CMOS Sensor
- 30 fps @ 1920 x 1080
- WDR Pro (100dB) to Provide Extreme Visibility in High Light Contrast Scenes
- SNV (Supreme Night Visibility)
- 3D Noise Reduction for Low-light Conditions
- Video Rotation for Corridor View
- Smart Stream to Optimize Bandwidth Efficiency
- Built-in IEEE 802.3af Compliant PoE
- Real-time H.264 and MJPEG Compression (Dual Codec)
- 70° Tilt Lens



The World's Smallest Recessed Mount Fixed Dome Network Camera



Library



Bank

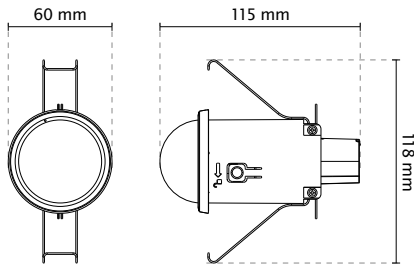


Retail



Office

Technical Specifications

Model	FD816C-HF2	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
System Information		Interface	10Base-T/100BaseTX Ethernet (RJ-45) *It is highly recommended to use standard Cat. 5e & Cat. 6 cables which are compliant with the 3P/ETL standard.
CPU	Multimedia SoC (System-on-Chip)	ONVIF	Supported, specification available at www.onvif.org
Flash	128MB	Intelligent Video	
RAM	256MB	Video Motion Detection	Five-window video motion detection
Camera Features		Alarm and Event	
Image Sensor	1/2.8" Progressive CMOS	Alarm Triggers	Video motion detection, manual trigger, periodical trigger, system boot, recording notification, camera tampering detection, audio detection
Maximum Resolution	1920x1080 (2MP)	Alarm Events	Event notification using HTTP, SMTP, FTP and NAS server, SD Card File upload via HTTP, SMTP, FTP, NAS server and SD card
Lens Type	Fixed-focal	General	
Focal Length	2.8 mm	Connectors	RJ-45 for Network/PoE connection
Aperture	F1.8	LED Indicator	System power and status indicator
Field of View	109° (horizontal) 61° (vertical) 132° (diagonal)	Power Input	IEEE 802.3af PoE Class 1
Shutter Time	1/5 sec. to 1/32,000 sec.	Power Consumption	Max. 3.3W
WDR Technology	WDR Pro	Dimensions	Ø 60 x 115 mm
Minimum Illumination	0.07 Lux @ F1.8 (Color)	Weight	Net: 138g
Pan/tilt/zoom Functionalities	ePTZ: 4x digital zoom IE plug-in	Safety Certifications	CE, LVD, FCC Class B, VCCI, C-Tick
On-board Storage	MicroSD/SDHC/SDXC card slot	Operating Temperature	Starting Temperature: 0°C ~ 45°C (32°F ~ 113°F) Working Temperature: 0°C ~ 45°C (32°F ~ 113°F)
Video		Warranty	24 months
Compression	H.264 & MJPEG	System Requirements	
Maximum Frame Rate	30 fps @ 1920x1080	Operating System	Microsoft Windows 8/7/Vista/XP/2000
Maximum Streams	3 simultaneous streams	Web Browser	Mozilla Firefox 7~10 (streaming only) Internet Explorer 7/8/9/10/11
S/N Ratio	58.48 dB	Other Players	VLC: 1.1.11 or above QuickTime: 7 or above
Dynamic Range	100 dB	Included Accessories	
Video Streaming	Adjustable resolution, quality and bitrate	Others	Quick installation guide
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, Smart Stream, Video Rotation, 3DNR	Dimensions	
Audio			
Audio Capability	Audio input		
Compression	G.711, G.726		
Interface	Built-in Microphone		
Effective Range	5 Meters		
Network			
Users	Live viewing for up to 10 clients		

All specifications are subject to change without notice. Copyright © VIVOTEK INC. All rights reserved.

Ver. 9