



# 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.

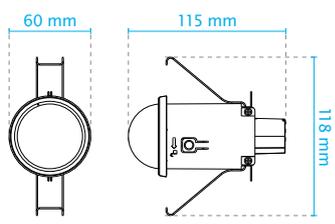
## Key Features

- 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



Ultra-mini Recessed-Mount Fixed Dome Network Camera

## Technical Specifications

Model	FD816CA-HF2	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.
<b>System Information</b>		ONVIF	Supported, specification available at <a href="http://www.onvif.org">www.onvif.org</a>
CPU	Multimedia SoC (System-on-Chip)	<b>Intelligent Video</b>	
Flash	128MB	Video Motion Detection	Five-window video motion detection
RAM	256MB	<b>Alarm and Event</b>	
<b>Camera Features</b>		Alarm Triggers	Motion detection, manual trigger, periodical trigger, system boot, recording notification, camera tampering detection, audio detection
Image Sensor	1/2.7" Progressive CMOS	Alarm Events	Event notification using HTTP, SMTP, FTP, NAS server and MicroSD Card File upload via HTTP, SMTP, FTP, NAS server and MicroSD card
Maximum Resolution	1920x1080 (2MP)	<b>General</b>	
Lens Type	Fixed-focal	Connectors	RJ-45 for Network/PoE connection
Focal Length	f = 2.8 mm	LED Indicator	System power and status indicator
Aperture	F1.8	Power Input	IEEE 802.3af PoE Class 1
Field of View	122° (Horizontal) 66° (Vertical) 142° (Diagonal)	Power Consumption	Max. 3.3 W
Shutter Time	1/5 sec. to 1/32,000 sec.	Dimensions	Ø 60 x 115 mm
WDR Technology	WDR Pro	Weight	Net: 138 g
Minimum Illumination	0.15 Lux @ F1.8 (Color) < 0.01 Lux @ F1.8 (B/W)	Safety Certifications	CE, LVD, FCC Class B, VCCI, C-Tick, UL
Pan/Tilt/Zoom Functionalities	ePTZ: 4x digital zoom IE plug-in	Operating Temperature	Starting Temperature: 0°C ~ 45°C (32°F ~ 113°F) Working Temperature: -10°C ~ 45°C (14°F ~ 113°F)
On-board Storage	Slot type: MicroSD/SDHC/SDXC card slot Seamless Recording	Warranty	24 months
<b>Video</b>		<b>System Requirements</b>	
Compression	H.264 & MJPEG	Operating System	Microsoft Windows 8/7
Maximum Frame Rate	30 fps @ 1920x1080	Web Browser	Internet Explorer 10/11 Chrome version 58.0.3029 or above
Maximum Streams	3 simultaneous streams	Other Players	VLC: 1.1.11 or above QuickTime: 7 or above
S/N Ratio	66 dB	<b>Included Accessories</b>	
Dynamic Range	100 dB	Others	Quick installation guide
Video Streaming	Adjustable resolution, quality and bitrate; Smart Stream II	<b>Dimensions</b>	
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		
<b>Audio</b>			
Audio Capability	One-way Audio		
Compression	G.711, G.726		
Interface	Built-in Microphone		
Effective Range	5 Meters		
<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		

## Compatible Accessories

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



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