2 year warranty VIVOTEK

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

· 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

60 mm

The World's Smallest Recessed Mount Fixed Dome Network Camera

Library

Bank

Retail

Office

Model	FD816C-HF2

System Information

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

Camera Features

Image Sensor	1/2.8" Progressive CMOS
Maximum Resolution	1920x1080 (2MP)
Lens Type	Fixed-focal
Focal Length	2.8 mm
Aperture	F1.8
Field of View	109˚ (horizontal) 61˚ (vertical) 132˚ (diagonal)
Shutter Time	1/5 sec. to 1/32,000 sec.
WDR Technology	WDR Pro
Minimum Illumination	0.07 Lux @ F1.8 (Color)
Pan/tilt/zoom Functionalities	ePTZ: 4x digital zoom IE plug-in
On-board Storage	MicroSD/SDHC/SDXC card slot

Video

Compression	H.264 & MJPEG
Maximum Frame Rate	30 fps @ 1920x1080
Maximum Streams	3 simultaneous streams
S/N Ratio	58.48 dB
Dynamic Range	100 dB
Video Streaming	Adjustable resolution, quality and bitrate
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, 3DNR

Audio

Audio Capability	Audio input
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
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.
ONVIF	Supported, specification available at www.onvif.org

Intelligent Video

Video Motion Detection	Five-window video motion detection

Alarm and Event

Alarm Triggers	Video motion detection, manual trigger, periodical trigger, system boot, recording notification, camera tampering detection, audio 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 1
Power Consumption	Max. 3.3W
Dimensions	Ø 60 x 115 mm
Weight	Net: 138g
Safety Certifications	CE, LVD, FCC Class B, VCCI, C-Tick
Operating Temperature	Starting Temperature: 0˚C ~ 45˚C (32˚F ~ 113˚F) Working Temperature: 0˚C ~ 45˚C (32˚F ~ 113˚F)
Warranty	24 months

System Requirements

Operating System	Microsoft Windows 8/7/Vista/XP/2000
Web Browser	Mozilla Firefox 7~10 (streaming only) Internet Explorer 7/8/9/10/11
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

Ver. 10