VIVOTEK FD8155H is a professional indoor network dome camera offering up to 60 fps @ 1.3-Megapixel resolution with superb image quality.

Featuring the new improved Wide Dynamic Range Technology WDR Pro II, this camera provides high visibility even in extremely dark and light environments with 4 shutter capture methods. Combined with 3D Noise Reduction Technology, which enables the FD8155H to capture clear, polished video under low-light conditions and reduce bandwidth from sensor noise, users can enjoy superb image detail in all lighting conditions.

Additionally, as a professional day/night camera, FD8155H adopts Smart IR technology which prevents overexposure and provides noise reduction by instantaneously adjusting IR lighting intensity to suit changes in ambient light.

To provide top-notch image quality, the FD8155H also comes with a P-iris lens, which controls the iris with extreme precision via its built-in stepper motor. The iris opening is kept at an optimal level at all times, resulting in superior image sharpness and depth of field. Furthermore, because installation and adjustment of a megapixel network camera can be difficult due to the level of image detail, the FD8155H is equipped with VIVOTEK’s Smart Focus System to allow remote focus and zoom adjustment.

**Key Features**

- 1.3-Megapixel CMOS Sensor
- 30 fps @ 1280x1024
- 60 fps @ 1280x1024 (one-stream mode only)
- Motorized, P-iris Lens
- Removable IR-cut Filter for Day & Night Function
- Built-in IR Illuminators, Effective up to 30 Meters
- Smart IR Technology to Avoid Overexposure
- 3D Noise Reduction for Low-light Conditions
- WDR Pro II to Provide Extreme Visibility in Extremely Bright and Dark Environments
- Smart Focus System for Remote and Precise Focus Adjustment
- Two-way Audio
- Supreme Night Visibility
- Video Rotation for Corridor View
- EIS (Electronic Image Stabilization) to Control Image Stability
Technical Specifications

Model: FD8155H

System Information
CPU: Multimedia SoC (System-on-Chip)
Flash: 256MB
RAM: 384MB

Camera Features
Image Sensor: 1/3" Progressive CMOS
Maximum Resolution: 1280x1024 (1.3MP)
Lens Type: Var-focal, Remote Focus
Focal Length: f = 3 ~ 10 mm
Aperture: F1.3 ~ F2.5
Auto-iris: P-iris/DC-iris (Reserved)
Field of View: 30° ~ 95° (Horizontal), 24° ~ 75° (Vertical), 39° ~ 123° (Diagonal)
Shutter Time: 1/5 sec. to 1/10000 sec.
WDR Technology: WDR Pro II
Day/Night: Removable IR-cut filter for day & night function
Smart IR Technology to avoid overexposure (WDR on)
Minimum Illumination: 0.05 Lux @ F1.3 (Color), 0.001 Lux @ F1.3 (B/W)
Pan/tilt/zoom Functions: ePTZ: 48x digital zoom (4x on IE plug-in, 12x built-in)
IR Illuminators: Built-in IR Illuminators, effective up to 30 meters
On-board Storage: MicroSD/SDHC/SDXC card slot

Video
Compression: H.264, MJPEG
Maximum Frame Rate: 30 fps @ 1280x1024, 60 fps @ 1280x1024 (One-stream mode only)
Maximum Streams: 2 simultaneous streams
S/N Ratio: 64dB
Dynamic Range: Up to 140dB
Video Streaming: Adjustable resolution, quality and bitrate
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, seamless recording, video rotation, EIS

Audio
Audio Capability: Two-way audio (full duplex)
Compression: AAC, G.711, G.726
Interface: External microphone input
Audio output

Network
Users: Live viewing for up to 10 clients
Protocols: IPv4, IPv6, TCP/IP, HTTP, HTTPS, UPnP, RTSP/RTP/RTCP, ICMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPoE, GUI, QoS, SNMP, 802.3X, UDP, ICMP
Interface: 10 Base-T/100 BaseTX Ethernet (RJ-45)

ONVIF: Supported, specification available at www.onvif.org

Intelligent Video
Video Motion Detection: Triple-window video motion detection

Alarm and Event
Alarm Triggers: Video motion detection, manual trigger, digital input, periodical trigger, system boot, recording notification, camera tampering detection
Alarm Events: Event notification using digital output, HTTP, SMTP, FTP and NAS server, file upload via HTTP, SMTP, FTP and NAS server

General
Smart Focus System: Remote focus
Connectors: RJ-45 for Network/PoE connection, TV output, AC 24V power input, DC 12V power input, Digital input1, Digital output1
LED Indicator: System power and status indicator
Power Input: DC12V/AC24V, IEEE 802.3af PoE
Power Consumption: DC 12V: Max. 8.8 W, AC 24V: Max. 8.8 W, PoE: Max. 10.6 W
Dimensions: Ø 157 mm x 109 mm
Weight: Net: 758g

Safety Certifications
CE, LVD, FCC Class B, VCCI, C-Tick, UL

Operating Temperature
Starting Temperature: -10°C ~ 50°C (14°F ~ 122°F)
Working Temperature: -20°C ~ 50°C (-4°F ~ 122°F)
Warranty: 36 months

System Requirements
Web Browser: Mozilla Firefox 7~10 (streaming only), Internet Explorer 7/8/9/10/11
Other Players: VLC: 1.1.1 or above, Quicktime: 7 or above

Included Accessories
CD: User’s manual, quick installation guide, Installation Wizard 2, ST7501 32-channel recording software
Others: Quick installation guide, warranty card, alignment sticker, L-type hex key wrench, screws, hex nut, AV cable, power cable

Dimensions

Mounting Kits
AM-215: L Shape Bracket
AM-516: Adaptor Ring
AM-520: Mounting Adaptor
AM-51A: Mounting Adapter

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