Technical Specifications

System
- CPU: Multimedia SoC
- Flash: 16MB
- RAM: 256MB
- Embedded OS: Linux 2.6

Lens
- Board lens, vari-focal, f = 3 ~ 9 mm, F1.2 (wide), F2.1 (tele), auto-iris, remote focus
- Removable IR-cut filter for day & night function

Angle of View
- 31.7° ~ 93.0° (horizontal)
- 23.8° ~ 68.4° (vertical)
- 39.6°~118.9° (diagonal)

Shutter Time
- 1/5 sec. to 1/32,000 sec

Image Sensor
- 1/2.7" progressive scan CMOS sensor in 1920x1080 resolution

Minimum Illumination
- 0.08 Lux @ F1.2 (Color)
- 0.001 Lux @ F1.2 (B/W)

Video
- Compression: H.264, MJPEG & MPEG-4
- Streaming:
  Multiple simultaneous streams
  H.264 streaming over UDP, TCP, HTTP or HTTPS
  MPEG-4 streaming over UDP, TCP, HTTP or HTTPS
  H.264/MPEG-4 multicast streaming
  MJPEG streaming over HTTP or HTTPS
- Supports activity adaptive streaming for dynamic frame rate control
- Supports video cropping for bandwidth saving
- Supports ePTZ for data efficiency
- Supports 3GPP mobile surveillance
- Frame rates:
  H.264:
  Up to 30 fps at 1920x1080
  MPEG-4:
  Up to 30 fps at 1920x1080
  MJPEG:
  Up to 30 fps at 1920x1080
- Interface:
  Audio/Video output
  NTSC/PAL video output switch

Image Settings
- Adjustable image size, quality and bit rate
- Time stamp and text caption overlay
- Flip & mirror
- Configurable brightness, contrast, saturation, sharpness, white balance and exposure
- AGC, AWB, AES
- WDR enhanced
- Automatic, manual or scheduled day/night mode
- BLC (Backlight Compensation)
- Supports privacy masks

Audio
- Compression:
  GSM-AMR speech encoding, bit rate: 4.75 kbps to 12.2 kbps
  MPEG-4 AAC audio encoding, bit rate: 16 kbps to 128 kbps
  G.711 audio encoding, bit rate: 64 kbps, μ-Law or A-Law mode selectable
- Interface:
  External microphone input
  Audio output
- Supports two-way audio
- Supports audio mute

Networking
- 10/100 Mbps Ethernet, RJ-45
- Onvif support
- Protocols: IPv4, IPv6, TCP/IP, HTTP, HTTPS, UPnP, RTSP/RTP/RTCP, IGMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPoE, CoS, QoS, SNMP, and 802.1X

Alarm and Event Management
- Triple-window video motion detection
- Tamper detection
- One D/I and one D/O for external sensor and alarm
- Event notification using HTTP, SMTP or FTP
- Local recording of MP4 file

On-board Storage
- MicroSD/SDHC card slot
- Stores snapshots and video clips

**Note: No MicroSD/SDHC card slot & local storage function for Argentina.*

Security
- Muilti-level user access with password protection
- IP address filtering
- HTTPS encrypted data transmission
- 802.1X port-based authentication for network protection

Users
- Live viewing for up to 10 clients

Dimension
- Ø 173 mm x 115 mm

Weight
- Net: 1296 g

LED Indicator
- System power and status indicator

Power
- 12V DC
- 24V AC
- Power consumption:
  Max. 14.4 W (FD8362)
  Max. 21.6 W (FD8362E) (with heater)
- 802.3af compliant Power-over-Ethernet (Class 3)

Housing
- Vandal-proof IK10-rated metal housing
- Weather-proof IP66-rated housing

Approvals
- CE, LVD, FCC, VCCI, C-Tick

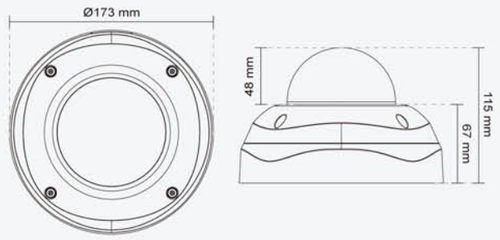
Operating Environments
- Temperature:
  FD8362: 0°C ~ 50°C (32°F ~ 122°F)
  FD8362E: -40°C ~ 55°C (-40°F ~ 131°F)
- Humidity: 90% RH

Viewing System Requirements
- OS: Microsoft Windows 7/Vista/XP/2000
- Browser: Mozilla Firefox, Internet Explorer 6.x or above
- Cell phone: 3GPP player
- Real Player: 10.5 or above
- Quick Time: 6.5 or above

Installation, Management, and Maintenance
- Camera angle adjustment: pan 350°, tilt 80°, rotate 350°
- Installation Wizard 2
- 32-CH ST7501 recording software
- Supports firmware upgrade

Applications
- SDK available for application development and system integration

Warranty
- 36 months



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SUPREME
A NEW DEFINITION OF HD

2MP · 1080P Full HD · WDR Enhanced · Smart Focus System Remote Focus · Vandal-proof housing · IP66

Fixed Dome Network Camera
FD8362/62E

2MP • Full HD • Smart Focus System • Vandal-proof

VIVOTEK FD8362/62E are professional fixed dome network cameras offering 2-Megapixel or 1080p Full HD resolution with superb image quality up to 30 fps. The cameras can capture a much more comprehensive area than a standard VGA model, significantly reducing the number of units required. It is especially suitable for monitoring wide open outdoor such as building entrances, airports or applications requiring accurate identification.

For installers, properly adjusting the focus of a megapixel network camera can be difficult due to the image detail. Thus VIVOTEK introduces the Smart Focus System including Focus Assist Button and Remote Focus to make installation and adjustment easier. VIVOTEK adopts lenses with built-in stepping motors that the installer can use to remotely control the focal length and precisely adjust the camera focus, offering hassle-free installation and maintenance.

The IP66-rated housing is designed to help the camera body withstand rain and dust and ensures operation under a multitude of harsh weather conditions. Its metal vandal-proof housing effectively provides robust protection from vandalism. Additionally, the wide temperature range further enhances the FD8362E's performance and reliability in extremely cold and warm weather.

With other advanced features such as tamper detection, 802.3af compliant PoE, MicroSD/SDHC card for on-board storage*, video cropping, and e-PTZ functionality, the FD8362/62E provide the most robust solution suitable for any demanding outdoor environments.

* No MicroSD/SDHC card slot & local storage function for Argentina.

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