SUPREME
A NEW DEFINITION OF HD

Fixed Network Camera
IP8151/51P-SS

Supreme Night Visibility • Full Frame Rate • WDR Enhanced

VIVOTEK IP8151/51P-SS represent the next-generation in video quality in network cameras. As part of VIVOTEK's SUPREME Series, the cameras feature the utmost in picture clarity through utilization of SONY's latest sensor technology, dubbed "Exmor™", which enables the camera to capture exceptional details during daytime, as well as to offer unparalleled visibility under low-light conditions through its Supreme Night Visibility feature. Additional value-added functions that give users more flexibility and efficiency of use include WDR Enhancement, which allows users to identify image details in extremely bright and dark environments.

The IP8151P-SS model features a number of additional premium features, giving users more flexibility and efficiency of use. The advanced P-Iris lens controls the iris using the built-in stepping motor with extreme precision via software control to maintain the iris opening at an optimal level at all times, resulting in superior sharpness, depth of field, and image quality. The IP8151P-SS is also equipped with a Focus Assist button, assisting the user to optimally adjust the camera focus. When pressing the Focus Assist button on the camera unit, an indicator display will be shown on the screen with detailed focusing information. Keeping the button pressed will enable zooming in on the target area for fine tuning, resulting in better usability as well as picture clarity.

Both the IP8151-SS and IP8151P-SS also feature a myriad of other high-end features such as PoE, and multiple streams, making it the ideal choice for the most demanding monitoring applications. By providing the best quality sharp, smooth video, plus exceptional performance in low-light conditions, the IP8151/51P-SS can secure a variety of sites such as retail stores, school campuses, and much more.

* Exmor is a trademark of Sony.

VIVOTEK
BUILT WITH RELIABILITY

Lens

· IP8151-SS: CS-mount, vari-focal, f = 3.1~8 mm, F1.2, auto iris
· IP8151P-SS: CS-mount, vari-focal, f = 3.1~8 mm, F1.2, P-iris
· Removable IR-cut filter for day & night function

Field of View

· 35.2~86.7° (horizontal)
· 26.5°~64.4° (vertical)
· 43.9°~110.3° (diagonal)

Shutter Time

· 1/5 sec. to 1/40,000 sec.

Image Sensor

· 1/3" CMOS sensor in 1280x1024 resolution

Minimum Illumination

· 0.04 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
  MPEG-4 multicast streaming
  MJPEG streaming over HTTP or HTTPS
· Supports activity adaptive streaming for dynamic frame rate control
· Supports ePTZ for data efficiency
· Supports 3GPP mobile surveillance
· Frame rates:
  H.264: Up to 30 fps at 1280x1024
  MPEG-4: Up to 30 fps at 1280x1024
  MJPEG: Up to 30 fps at 1280x1024
· Interface:
  BNC connector for video output
  NTSC/PAL video output switch
  Focus assist button (IP8151P only)

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:
  Built-in microphone
  External microphone input
  Audio output
  External/Internal microphone switch
· 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

Security

· Multi-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

Weight

· IP8151-SS Net: 670 g (Without lens)
· IP8151P-SS Net: 675 g (Without lens)

LED Indicator

· System power and status indicator
· System activity and network link indicator

Power

· 12V DC
· 24V AC
· Power consumption: Max. 3.6 W
· 802.3af compliant Power-over-Ethernet (Class 2)

Approvals

· CE, LVD, FCC, VCCI, C-Tick, UL

Operating Environments

· Temperature: -10 ~ 50 °C (14 ~ 122 °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

· RS-485 interface for scanners, pan/tilts
· Installation Wizard 2
· 32-CH ST7501 recording software
· Supports firmware upgrade

Applications

· SDK available for application development and system integration

Warranty

· 36 months

Dimension

· 154 mm (D) x 72 mm (W) x 62 mm (H)

72 mm 54 mm 154 mm 37 mm 62 mm 208 mm