VIVOTEK

IP8155HP
Fixed Network Camera

V series

1.3MP · WDR Pro II · 3DNR · Remote Back Focus · Low Light · P-iris · 60 fps · Snapshot Focus · Corridor View · EIS
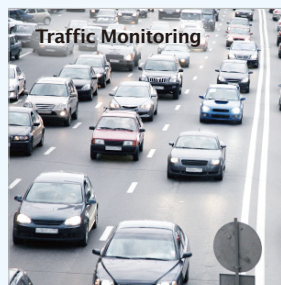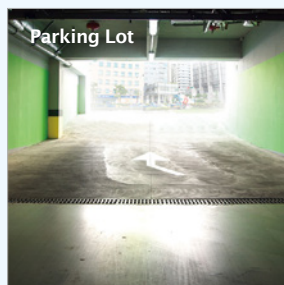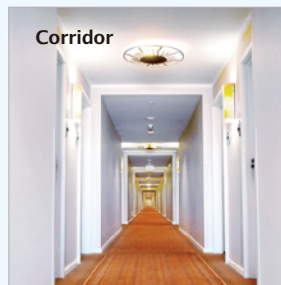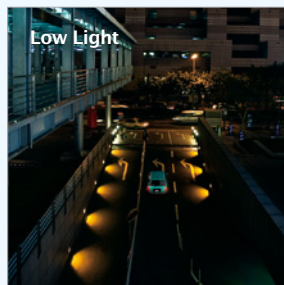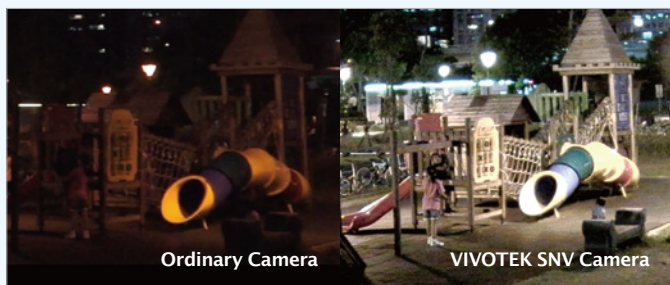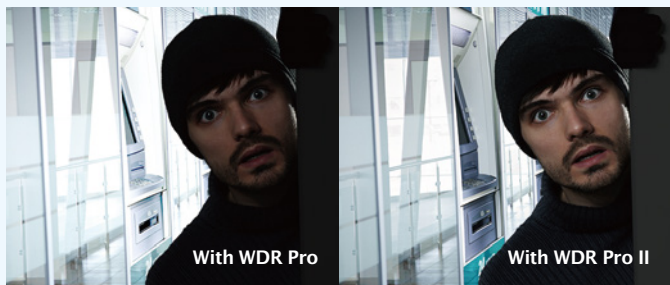
VIVOTEK IP8155HP is a professional box network camera offering up to 60 fps @ 1.3-Megapixel resolution with superb image quality.

Featuring the new improved Wide Dynamic Range Technology WDR Pro II, it provides extreme visibility in high light contrast environments with 4-shutter capture method. Combined with 3D Noise Reduction Technology, which enables the IP8155HP to capture clear, polished video under low-light conditions and reduce bandwidth from sensor noise, users can identify an increased level of image detail in extremely bright as well as dark environments.
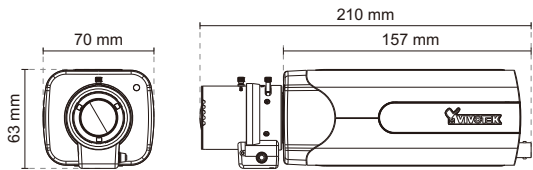
To provide top-notch image quality, IP8155HP also comes with a P-iris lens, which controls the iris with extreme precision with its built-in stepper motor. By using software controls, the lens maintains the iris opening at an optimal level at all times, resulting in superior sharpness and depth of field. Furthermore, for installers, properly adjusting the focus of a megapixel network camera can be difficult due to the level of image detail. Therefore, IP8155HP is also designed with VIVOTEK's RBF (Remote Back Focus) System for installer to adjust focus more precisely.

Key Features

- 1.3-Megapixel CMOS Sensor
- 30 fps @ 1280x1024
  60 fps @ 1280x1024 (one-stream mode only)
- Motorized, P-iris Lens
- 3D Noise Reduction for Low-light Conditions
- WDR Pro II (140dB) to Provide Extreme Visibility in High Light Contrast Scenes
- RBF System to assist for Precise Focus Adjustment
- Two-way Audio
- SNV (Supreme Night Visibility)
- Snapshot Focus
- Video Rotation for Corridor View
- EIS (Electronic Image Stabilization) to Control Image Stability

With WDR Pro

With WDR Pro II

Low Light

Corridor

Ordinary Camera

VIVOTEK SNV Camera

Parking Lot

Traffic Monitoring

Technical Specifications

Model	IP8155HP

System Information

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

Camera Features

Image Sensor	1/3" Progressive CMOS
Maximum Resolution	1280x1024 (1.3MP)
Lens Type	Vari-focal
Focal Length	f = 2.8 ~ 8 mm
Aperture	F1.2 ~ F1.95
Auto-iris	P-iris (DC-iris reserved)
Field of View	36˚ ~ 106˚ (Horizontal)
	29˚ ~ 84˚ (Vertical)
	46˚ ~ 140˚ (Diagonal)
Shutter Time	1/5 sec. to 1/10,000 sec.
WDR Technology	WDR Pro II
Day/Night	Removable IR-cut filter for day & night function
Minimum Illumination	0.03 Lux @ F1.2 (Color)
	0.001 Lux @ F1.2 (B/W)
Pan/tilt/zoom	ePTZ:
Functionalities	48x digital zoom (4x on IE plug-in,12x built in)
On-board Storage	SD/SDHC/SDXC card slot

Video

Compression	H.264, MJPEG
Maximum Frame Rate	30 fps @ 1280x1024
	in both compression mode
	60 fps @ 1280x1024
	in one-stream mode only
Maximum Streams	2 simultaneous streams
S/N Ratio	64 dB
Dynamic Range	140 dB
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, EIS, video rotation, snapshot focus

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, IGMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPoE, CoS, QoS, SNMP, 802.1X, UDP, ICMP
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	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	RBF (Remote Back Focus)
Connectors	RJ-45 for Network/PoE connection
	Audio input/output
	BNC Video Output
	AC 24V power input
	DC 12V power input
	Digital input*3
	Digital output*1
	RS485
LED Indicator	System power and status indicator
Power Input	DC12V/AC24V
	IEEE 802.3af PoE
Power Consumption	DC Max. 8.3W
	AC Max. 14.4W
	PoE Max.10.1W
Dimensions	210 mm (D) x 70 mm (W) x 63 mm (H)
Weight	Net: 623 g
Safety Certifications	CE, LVD, FCC Class B, VCCI, C-Tick, UL
Operating Temperature	Starting Temperature: 0˚C ~ 50˚C (32˚F ~ 122˚F)
	Working Temperature: -10˚C ~ 50˚C (14˚F ~ 122˚F)
Warranty	36 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

CD	User's manual, quick installation guide, Installation Wizard 2
Others	Quick installation guide, warranty card, lens, camera stand, screw pack

Dimensions

210 mm
157 mm
70 mm
63 mm

Compatible Accessories

Enclosures

AE-237
Camera Enclosure, AC 24V, IP66, IK10, -20˚C ~ 50˚C

AE-241
Camera Enclosure with Internal IR, PoE, IP66, IK10, -20˚C ~ 50˚C

AE-242
Camera Enclosure with Internal IR, UPoE, IP66, IK10, -40˚C ~ 50˚C

Mounting Kits

AM-311
Pole Mount Adaptor

AM-411
Corner Mount Adaptor

Lens

AL-242
12.5mm~50mm, F1.4, P-iris

AL-243
7mm~22mm, F1.4, P-iris