



# IP8165HP

Fixed Network Camera



2MP · WDR Pro · 3DNR · Remote Back Focus ·  
EIS · P-iris · 60 fps · Snapshot Focus · Corridor View

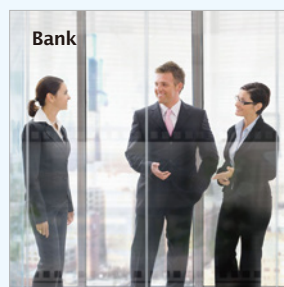
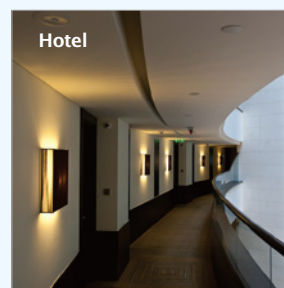
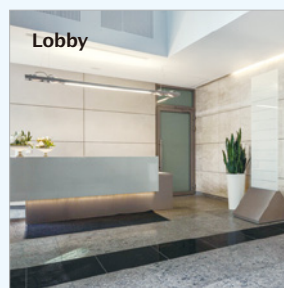
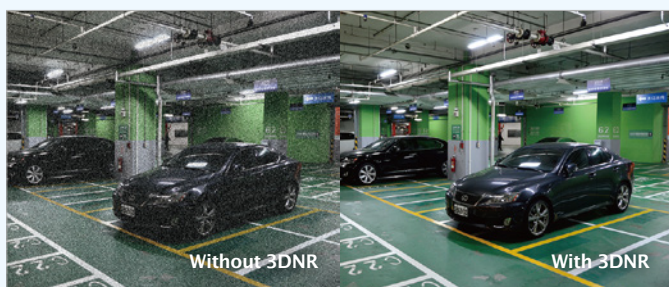
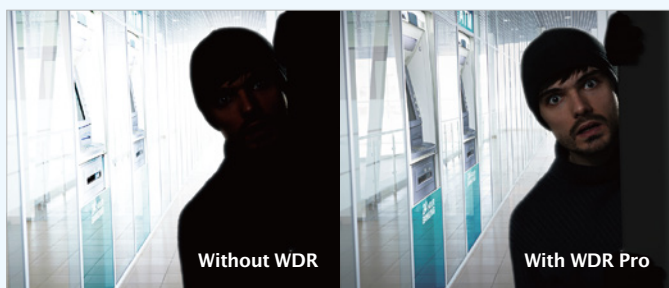
VIVOTEK IP8165HP is a professional box network camera offering up to 60 fps @ 2-Megapixel resolution with superb image quality.

Featuring the improved Wide Dynamic Range Technology WDR Pro, it provides superior visibility in high light contrast environments with 2-shutter capture method. Combined with 3D Noise Reduction Technology, users can identify an increased level of image detail in extremely bright as well as dark environments without occupying or wasting unreasonably high bandwidth.

To provide top-notch image quality, IP8165HP 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, IP8165HP is also designed with VIVOTEK's RBF (Remote Back Focus) System for installer to adjust focus more precisely.

## Key Features

- 2-Megapixel CMOS Sensor
- 30 fps @ 1920x1080  
60 fps @ 1920x1080 (one-stream mode only)
- Motorized, P-iris Lens
- 3D Noise Reduction for Low-light Conditions
- WDR Pro (100dB) to Provide Extreme Visibility in High Light Contrast Scenes
- RBF Design to Assist for Precise Focus Adjustment
- EIS (Electronic Image Stabilization) to Control Image Stability
- Two-way Audio
- Snapshot Focus
- Video Rotation for Corridor View
- EIS (Electronic Image Stabilization) to Control Image Stability

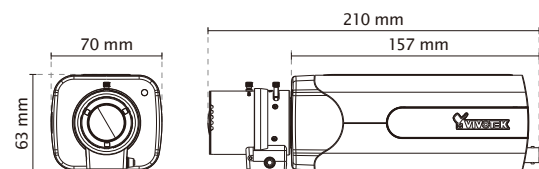


## Technical Specifications

Model	IP8165HP
<b>System Information</b>	
CPU	Multimedia SoC (System-on-Chip)
Flash	256 MB
RAM	384MB
<b>Camera Features</b>	
Image Sensor	1/2.8" Progressive CMOS
Maximum Resolution	1920x1080(2MP)
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	40° ~ 122° (Horizontal) 23° ~ 69° (Vertical) 45° ~ 104° (Diagonal)
Shutter Time	1/5 sec. to 1/10,000 sec.
WDR Technology	WDR Pro
Day/Night	Removable IR-cut filter for day & night function
Minimum Illumination	0.17 Lux @ F1.2 (Color) 0.001 Lux @ F1.2 (B/W)
Pan/tilt/zoom Functionalities	ePTZ: 48x digital zoom (4x on IE plug-in, 12x built in)
On-board Storage	SD/SDHC/SDXC card slot
<b>Video</b>	
Compression	H.264, MJPEG
Maximum Frame Rate	30 fps @ 1920x1080 in both compression mode 60 fps @ 1920x1080 in one-stream mode only
Maximum Streams	2 simultaneous streams
S/N Ratio	62dB
Dynamic Range	100dB
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
<b>Audio</b>	
Audio Capability	Two-way audio (full duplex)
Compression	AAC, G.711, G.726
Interface	External microphone input Audio output
<b>Network</b>	
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 <a href="http://www.onvif.org">www.onvif.org</a>

<b>Intelligent Video</b>	
Video Motion Detection	Triple-window video motion detection
<b>Alarm and Event</b>	
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
<b>General</b>	
Smart Focus System Connectors	RBF (Remote Back Focus) 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: 623g
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)
Humidity	90%
Warranty	36 months
<b>System Requirements</b>	
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
<b>Included Accessories</b>	
CD	User's manual, quick installation guide, Installation Wizard 2
Others	Quick installation guide, warranty card, lens, camera stand, screw pack

## Dimensions



## 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