

# IP8165HP

Fixed Network Camera



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

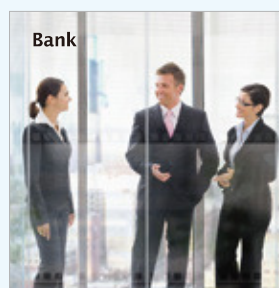
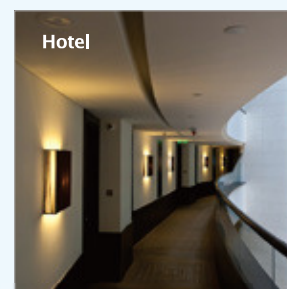
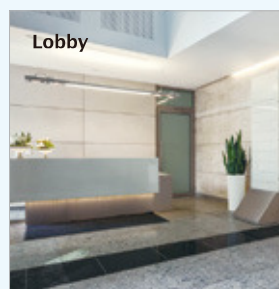
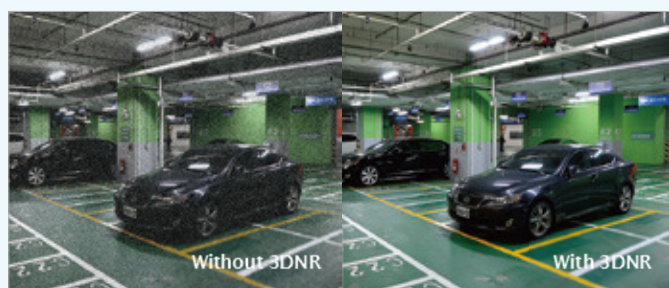
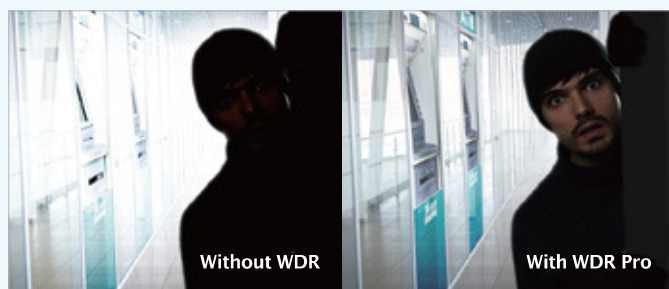
VIVOTEK IP8165HP is a professional box network camera offering up to 60 fps @ 2-Megapixel resolution with superb image quality.

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



## Technical Specifications

Model	IP8165HP	<b>Intelligent Video</b>	Video Motion Detection	Triple-window video motion detection
<b>System Information</b>		<b>Alarm and Event</b>	Alarm Triggers	Video motion detection, manual trigger, digital input, periodical trigger, system boot, recording notification, camera tampering detection
CPU	Multimedia SoC (System-on-Chip)	Alarm Events	Alarm Events	Event notification using digital output, HTTP, SMTP, FTP and NAS server File upload via HTTP, SMTP, FTP and NAS server
Flash	256 MB	<b>General</b>	Smart Focus System	RBF (Remote Back Focus)
RAM	384MB	Connectors	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
<b>Camera Features</b>		LED Indicator	LED Indicator	System power and status indicator
Image Sensor	1/2.8" Progressive CMOS	Power Input	Power Input	DC12V/AC24V IEEE 802.3af PoE
Maximum Resolution	1920x1080(2MP)	Power Consumption	Power Consumption	DC Max. 8.3W AC Max. 14.4W PoE Max.10.1W
Lens Type	Vari-focal	Dimensions	Dimensions	210 mm (D) x 70 mm (W) x 63 mm (H)
Focal Length	f = 2.8 ~ 8 mm	Weight	Weight	Net: 623g
Aperture	F1.2 ~ F1.95	Safety Certifications	Safety Certifications	CE, LVD, FCC Class B, VCCI, C-Tick, UL
Auto-iris	P-iris ( DC-iris reserved)	Operating Temperature	Operating Temperature	Starting Temperature: 0°C ~ 50°C (32°F ~ 122°F) Working Temperature: -10°C ~ 50°C (14°F ~ 122°F)
Field of View	40° ~ 122° (Horizontal) 23° ~ 69° (Vertical) 45° ~ 104° (Diagonal)	Warranty	Warranty	24 months
Shutter Time	1/5 sec. to 1/10,000 sec.	<b>System Requirements</b>	Operating System	Microsoft Windows 8/7/Vista/XP/2000
WDR Technology	WDR Pro	Web Browser	Web Browser	Mozilla Firefox 7~10 (streaming only) Internet Explorer 7/8/9/10
Day/Night	Removable IR-cut filter for day & night function	Other Players	Other Players	VLC: 1.1.11 or above Quicktime: 7 or above
Minimum Illumination	0.17 Lux @ F1.2 (Color) 0.001 Lux @ F1.2 (B/W)	<b>Included Accessories</b>	CD	User's manual, quick installation guide, Installation Wizard 2, ST7501 32-channel recording software
Pan/tilt/zoom Functionalities	ePTZ: 48x digital zoom (4x on IE plug-in,12x built in)	Others	Others	Quick installation guide, warranty card, lens, camera stand, screw pack
On-board Storage	SD/SDHC/SDXC card slot	<b>Dimensions</b>		
<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/100 BaseTX Ethernet (RJ-45)			
ONVIF	Supported, specification available at <a href="http://www.onvif.org">www.onvif.org</a>			

## Compatible Accessories

### Enclosures



**AE-211**  
Camera enclosure with blower



**AE-232**  
Camera enclosure with heater and blower



**AE-233**  
Camera enclosure with heater and blower

### PoE Kits



**POE-IJ-1748NDN**  
PoE injector, 802.3af compliant

### Mounting Kits



**AM-311**  
Pole Mount Adaptor



**AM-411**  
Corner Mount Adaptor

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