



# AB6117-HP

Fixed Network Camera



3MP · H.265 Compression · Smart Stream II · Bandwidth Saving · WDR Pro · SNV · GbE Port · DIS

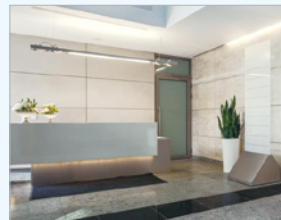
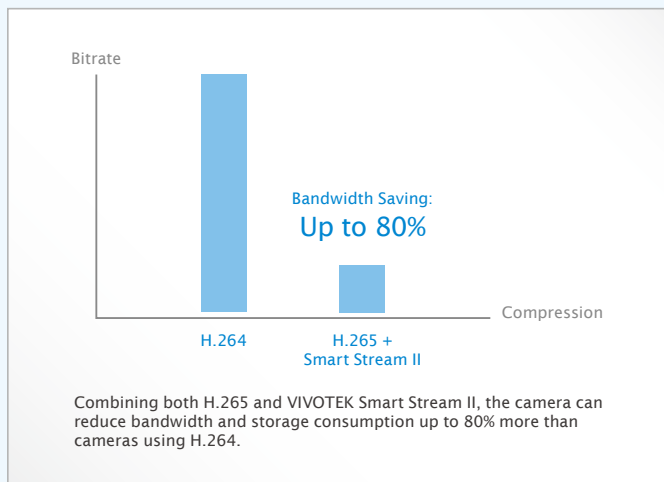
VIVOTEK's AB6117-HP is a brand-new professional H.265 box network camera offering up to 30 fps at 3-Megapixel with superb image quality. By utilizing VIVOTEK's sophisticated Smart Stream II, the camera is able to optimize resolution for a desired object or area and thus ensure maximum efficiency of bandwidth usage. Combining both H.265 and Smart Stream II, the AB6117-HP can reduce both bandwidth and storage consumption by up to 80%\* while maintaining the high standard of image quality. This unique combination of high resolution and low storage consumption make the AB6117-HP suitable for a wide range of video surveillance applications, including government and industrial buildings, retail environments, airports, railway stations and schools.

Additionally, employing WDR Pro allows the camera to capture both the dark and bright areas of an image, combining the differences to create a highly realistic representation of the original scene. Further improving the AB6117-HP's range of operating conditions, SNV technology makes high-quality full-color surveillance video possible under low-light conditions. Together, these features enable the camera to provide video quality strikingly close to the capabilities of the human eye. Further enhancing the camera's ability to adapt to its environment, precise software controls maintain the iris opening of the AB6117-HP's lens at an optimal level at all times, resulting in superior sharpness as well as depth of field. Finally, the AB6117-HP is also endowed with VIVOTEK's RBF (Remote Back Focus) System, empowering the installer to adjust focus both precisely and with greater flexibility.

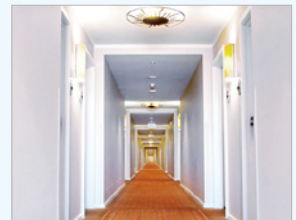
\* Depending on scenes

## Key Features

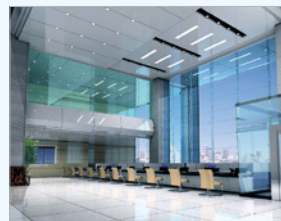
- H.265 Compression Technology
- 30 fps @ 2048x1536
- P-iris Lens
- Smart Stream II to Optimize Bandwidth Efficiency
- WDR Pro for Unparalleled Visibility in High Contrast Environments
- Remote Back Focus for Easy Focus Adjustments
- SNV (Supreme Night Visibility) for Low Light Conditions
- Video Rotation for Corridor View
- Lens Profile to Ensure the Full Compatibility for Different Lens Options
- Gigabit Ethernet for High Speed of Transmission
- Snapshot Focus
- DIS (Digital Image Stabilization)



Lobby



Hotel



Bank



Traffic Monitoring

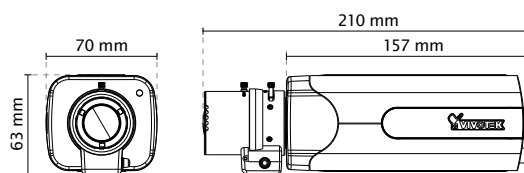
## Technical Specifications

Model	AB6117-HP
<b>System Information</b>	
CPU	Multimedia SoC (System-on-Chip)
Flash	128MB
RAM	512MB
<b>Camera Features</b>	
Image Sensor	1/2.8" Progressive CMOS
Maximum Resolution	2048x1536 (3MP)
Lens Type	Vari-Focal
Focal Length	f= 2.8 ~ 8 mm
Aperture	F1.2 ~ F1.95
Auto-iris	P-Iris
Field of View	51°~114° (Horizontal) 39°~84° (Vertical) 63°~143° (Diagonal)
Shutter Time	1/5 sec. to 1/16,000 sec.
WDR Technology	WDR Pro
Day/Night	Removable IR-cut filter for day & night function
Minimum Illumination	0.01 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)
<b>Video</b>	
Compression	H.265 & H.264 & MJPEG
Maximum Frame Rate	H.264 & H.265 30fps @ 2048x1536 MJPEG 15fps @ 2048x1536
Maximum Streams	3 simultaneous streams
S/N Ratio	60 dB
Dynamic Range	100 dB
Video Streaming	Adjustable resolution, quality and bitrate Smart Stream II
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, video rotation, 3DNR, defog, Snapshot Focus, Lens Profile, DIS
<b>Audio</b>	
Audio Capability	Two-Way Audio (full duplex)
Compression	G711, G726
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, ARP, SSL, TLS
Interface	10 Base-T/100 Base-TX /1000 Base-T Ethernet (RJ-45) *It is highly recommended to use standard CAT5e & CAT6 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	Five-window video motion detection

\* Available per project request.

VCA*	Line crossing detection, field detection, loitering detection
<b>Alarm and Event</b>	
Alarm Triggers	Video motion detection, manual trigger, digital input, periodical trigger, system boot, recording notification, camera tampering detection, audio detection
Alarm Events	Event notification using digital output, HTTP, SMTP, FTP and NAS server File upload via HTTP, SMTP, FTP, NAS server
<b>General</b>	
Smart Focus System	Remote Back Focus via UI
Connectors	RJ-45 cable connector for 10/100/1000Mbps Network/PoE connection Audio input Audio output DC 12V power input AC 24V Power input Digital input*3 Digital output*1
LED Indicator	System power and status indicator
Power Input	DC12 V/AC 24V IEEE 802.3af/at PoE Class 0
Power Consumption	Max. 8.6 W
Dimensions	210 (D) x 70 (W) x 63 (H) mm
Weight	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)
Humidity	90%
Warranty	36 months
<b>System Requirements</b>	
Operating System	Microsoft Windows 7/8/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>	
Others	Mounting bracket, screw pack, Lens

## Dimensions



## Compatible Accessories

### Enclosures



**AE-237**  
Camera Enclosure, AC 24V,  
-20°C ~ 50°C



**AE-241**  
Camera Enclosure with  
Internal IR, PoE, -20°C ~ 50°C



**AE-242**  
Camera Enclosure with  
Internal IR, UPoE, -40°C ~ 50°C

### Others



**AI-104-010/025/035**  
100m/50m/25m  
IR Illuminators

### Lenses



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



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

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Ver. 1