



# **S** IP9165-HT series Box Network Camera



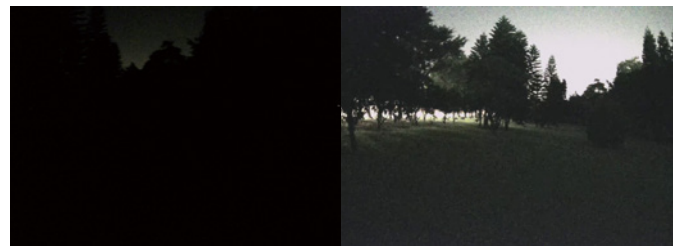
2MP 60fps • SNV II • WDR Pro II • Smart Stream III •  
Remote Focus • i-CS

VIVOTEK's IP9165-HT is a professional H.265 box network camera offering up to 60 fps at 1080p with superior image quality. Equipped with an i-CS (intelligent-CS mount) lens with LSC (Lens Shading Correction) and LDC (Lens Distortion Correction) calibration functions to obtain better images than traditional lenses, the camera also enables installers to efficiently adjust zoom/focus remotely via remote focus system.

Employing VIVOTEK's SNV II, WDR Pro II and Smart Stream III technologies, the IP9165-HT is capable of capturing the highest quality images in both low light and high contrast environments. These features provide impressive reduction of bandwidth and storage while still maintaining excellent image quality when compared to traditional H.264 devices without smart streaming. Such function-rich combinations make the IP9165-HT suitable for a wide range of video surveillance applications, including government and industrial buildings, airports, railway stations, traffic intersections and university campuses.

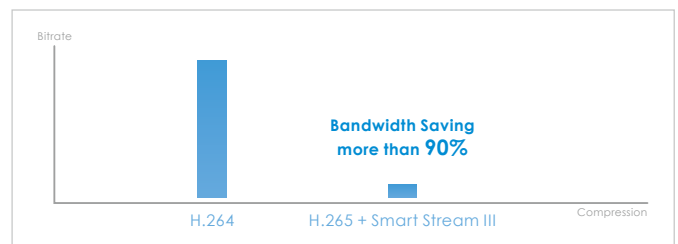
## Key Features

- 60 fps @ 1920x1080
- H.265 Compression Technology
- 3.9 ~ 10 mm, Remote Focus, i-CS Lens (Intelligent-CS)
- SNV II (Supreme Night Visibility II) for Low Light Conditions
- WDR Pro II (140dB) to Provide Extreme Visibility in Extremely Bright or Dark Environments
- Smart Stream III to Optimize Bandwidth Efficiency
- DIS (Digital Image Stabilization) to Control Image Stabilization
- Video Rotation for Corridor View
- Lens Profile for Camera Quality Optimization
- Trend Micro IoT Security within Standard Warranty Period



Without SNV II

With SNV II



H.265 + Smart Stream III, Ultra-low Bandwidth

## Technical Specifications

Model	IP9165-HT
<b>System Information</b>	
CPU	Multimedia SoC (System-on-Chip)
Flash	128MB
RAM	1GB
<b>Camera Features</b>	
Image Sensor	1/2" Progressive CMOS
Maximum Resolution	1920x1080
Lens Type	Vari-focal, Remote Focus, i-CS
Focal Length	f = 3.9 ~ 10 mm
Aperture	F1.5 ~ F2.7
Iris type	i-CS (P-iris/DC-iris reserved)
Field of View	42.7° ~ 109.7° (Horizontal) 23.9° ~ 58.5° (Vertical) 49° ~ 129.9° (Diagonal)
Shutter Time	1/5 sec. to 1/32,000 sec.
WDR Technology	WDR Pro II
Day/Night	Yes
Removable IR-cut Filter	Yes
Minimum Illumination	0.01 Lux @ F1.5 (Color) 0.005 Lux @ F1.5 (B/W)
Pan/Tilt/Zoom Functionalities	ePTZ: 48x digital zoom (4x on IE plug-in, 12x built in)
On-board Storage	Slot type: MicroSD/SDHC/SDXC card slot (Max. SD card capacity:128GB) Seamless Recording
<b>Video</b>	
Compression	H.265, H.264, MJPEG
Maximum Frame Rate	60 fps @ 1920x1080
Maximum Streams	4 simultaneous streams
S/N Ratio	66.2 dB
Dynamic Range	140 dB
Video Streaming	Adjustable resolution, quality and constant, bit rate control; Smart Stream III
Image Settings	Adjustable image size, quality and bit rate; Time stamp, text overlay, flip & mirror; Configurable brightness, contrast, saturation, sharpness, white balance, exposure control, gain, backlight compensation, AE speed, privacy masks; Scheduled profile settings, HLC, defog, 3DNR, DIS, video rotation, lens profile, remote focus, lens distortion correction (LDC)
<b>Audio</b>	
Audio Capability	Two-way audio
Compression	G.711, G.726
Interface	External microphone input External line output
<b>Network</b>	
Users	Live viewing for up to 10 clients
Protocols	IPv4, IPv6, TCP/IP, HTTP, HTTPS, UPnP, RTSP/ RTP/RTCP, IGMP, CIFS/SMB, SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPoE, CoS, QoS, SNMP, 802.1X, UDP, ICMP, ARP, 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
<b>Alarm and Event</b>	
Alarm Triggers	Motion detection, manual trigger, digital input, periodical trigger, system boot, recording notification, camera tampering detection, audio detection, advanced motion detection, MicroSD card life expectancy
Alarm Events	Event notification using digital output, HTTP, SMTP, FTP, NAS server and MicroSD card File upload via HTTP, SMTP, FTP, NAS server and MicroSD card
<b>General</b>	
Connectors	RJ-45 cable connector for Network/PoE connection *1 Audio input *1 Audio output *1 DC 12V/AC 24V power in *1 Digital input *2 Digital output *2 RS485 *1 BNC *1
LED Indicator	System power and status indicator
Power Input	IEEE 802.3af PoE Class 0 DC 12V AC 24V
Power Consumption	DC 12V: Max. 9 W AC 24V: Max. 18 W PoE: Max. 9.06 W
Dimensions	151 x 70 x 61 mm (w/o lens) 210 x 70 x 61 mm (w/ lens)
Weight	680 g (w/o lens) 790 g (w/ lens)
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 ~ 60°C (14°F ~ 140°F)
Humidity	90%
Warranty	36 months
<b>System Requirements</b>	
Operating System	Microsoft Windows 8/7
Web Browser	Mozilla Firefox 7~43 (streaming only) Internet Explorer 10/11

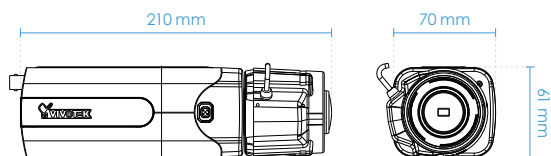
## Technical Specifications

Other Players      VLC: 1.1.11 or above  
 QuickTime: 7 or above








### Included Accessories

Others      Quick installation guide, warranty card,  
 lens, camera stand, screw pack

### Dimensions



## Compatible Accessories

Enclosures		Lens	
 <p><b>AE-23E</b> Outdoor enclosure, PoE input, IP68, IK10</p>	 <p><b>AE-244</b> Outdoor enclosure, built-in 50m IR, PoE input, IP68, IK10</p>	 <p><b>AL-239</b> 8 ~ 80mm, F1.6, DC-iris</p>	 <p><b>AL-24A</b> 12 ~ 40mm, F1.8, P-iris</p>
Lens			
 <p><b>AL-24B</b> 3.6 ~ 17mm, F1.5, P-iris</p>	 <p><b>AL-24D</b> 25 ~ 135mm, F1.8, P-iris</p>	 <p><b>AL-251</b> 3.9 ~ 10mm, F1.5, i-CS (Standard Package)</p>	