



S IP9165-HT-v2 series Box Network Camera



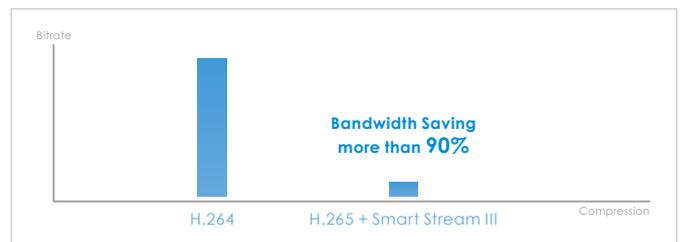
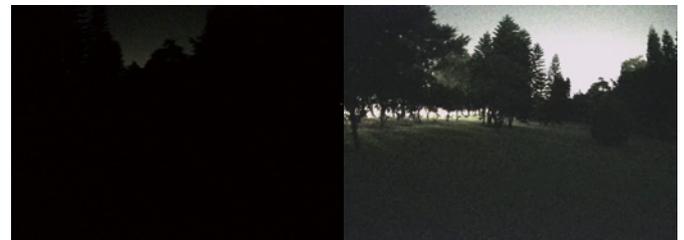
2MP 60fps • SNV II • WDR Pro II • i-CS • Smart VCA

VIVOTEK's IP9165-HT-v2 is a professional H.265 box network camera with new generation SoC and embed 2 GB RAM and 8 GB storage offering up to 60 fps 1080p with superior image quality. Equipped with an i-CS (intelligent-CS mount) lens with LSC (Lens Shading 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-v2 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-v2 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
- EIS (Electronic Image Stabilization) to Control Image Stability
- Video Rotation for Corridor View
- Lens Profile for Camera Quality Optimization
- Trend Micro IoT Security



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

Technical Specifications

Model Name	IP9165-HT-v2	Compression	G.726, G.711
System Information		Interface	External microphone input External line output
CPU	Multimedia SoC (System-on-Chip)	Network	
Flash	8 GB	Users	Live viewing for up to 10 clients
RAM	2 GB	Security	Access list, digest authentication, HTTPS , IEEE 802.1x, password protection, secure boot, signed firmware, Trend Micro IoT Security (brute force attack event, cyberattack event, quarantine event), user access log, user account management
Camera Specifications		Protocols	802.1X, ARP, Bonjour, CIFS/SMB, DDNS, DHCP, DNS, FTP, HTTP, HTTPS, ICMP, IGMPv3, IPv4, IPv6, NTP, PPPoE, QoS (CoS/DSCP), RTSP/RTMP/RTCP, SMTP, SNMP, SSL, SFTP, TCP/IP, TLS 1.2, UDP, UPnP
Image Sensor	1/2" Progressive CMOS	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.
Max. Resolution	1920x1080 (2MP)	ONVIF	Profile G, S, T supported, specification available at www.onvif.org
Lens Type	Vari-focal, Remote Focus(i-CS)	Solution Integration	
Focal Length	f = 3.9 ~ 10 mm	Smart Motion Detection	Five-window video motion detection
Aperture	F1.5 ~ F2.7	Smart VCA	With i-CS Lens: Intrusion detection, loitering detection, line crossing detection, unattended object detection, missing object detection, face detection, crowd detection, running detection
Iris Type	DC-iris, P-iris, i-CS	VADP Package	Trend Micro (3-year free trial), Stratocast, Deep Learning VCA (Smart Motion Detection, Smart VCA)
Field of View	109.7° ~ 42.7° (Horizontal) 58.5° ~ 23.9° (Vertical) 129.9° ~ 49° (Diagonal)	Alarm and Event	
Shutter Time	1/5 sec. to 1/32,000 sec.	Event Trigger	Audio detection, camera tampering detection, cybersecurity events (brute force attack event, cyberattack event, quarantine event), digital input, manual trigger, motion detection, periodical trigger, recording notification, SD card life expectancy, shock detection, system boot
WDR Technology	WDR Pro II	Event Action	Event notification via audio clip, camera link, digital output, email, HTTP, FTP/SFTP, NAS server, SD card, File upload via email, HTTP, FTP/SFTP, NAS server, SD card
Day/Night	Yes	General	
Removable IR-cut filter	Yes	Connectors	RJ-45 cable connector for 10/100/1000Mbps Network/PoE connection Audio input Audio output AC 24V power input *1 DC 12V power input*1 Digital input *2 Digital output *2 RS485*1 BNC *1
Minimum Illumination	0.01 lux @ F1.5 (Color) 0.005 lux @ F1.5 (B/W)	LED Indicator	System power and status indicator
Pan/Tilt/Zoom Functionalities	ePTZ: 48x digital zoom (4x on IE plug-in, 12x built in)	Power Input	AC 24V, DC 12V, IEEE 802.3af PoE Class 0
Storage	Seamless Recording to MicroSD/SDHC/SDXC card and recording to network-attached storage (NAS)	Power Consumption	AC 24V: Max. 18W DC 12V: Max. 9W PoE: Max. 9.06W
Video		Dimensions	155 (D) x 70 (W) x 61 (H) mm (w/o lens) 210 (D) x 70 (W) x 66 (H) mm (w/ lens)
Compression	H.265, H.264, MJPEG		
Maximum Frame Rate	60 fps @ 1920x1080		
Maximum Streams	3 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	General settings: video title and time stamp overlay, video orientation (flip, mirror, rotation), day/night settings; Illuminators: illuminators, anti-overexposure; Image settings: white balance, image adjustment (brightness, contrast, saturation, sharpness, gamma curve), defog, 3DNR, EIS, scene mode (auto, deblur); Exposure: BLC, HLC, exposure control (exposure level, iris adjustment, exposure time, gain control, iris mode), AE speed adjustment, WDR; Focus: zoom, Remote focus(i-CS), Remove back focus; Privacy mask; Scheduled profile settings		
Audio			
Audio Capability	Two-way audio (Full duplex)		

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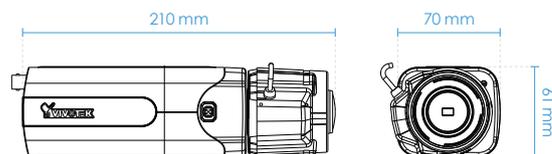
Weight	680 g (w/o len) 790 g (w/ len)
Certifications	CE, LVD, FCC Class B, VCCI, C-Tick, UL/CUL, BIS, BSMI
Operating Temperature	Starting Temperature: 0°C ~ 50°C (32°F ~ 122°F) Working Temperature: -10°C ~ 60°C (14°F ~ 140°F)
Humidity	90% (non-condensing)
Warranty	36 months
System Requirements	
Operating System	Microsoft Windows 10/8/7 Mac 10.12 (Chrome only)
Web Browser	Chrome 58.0 or above Internet Explorer 10/11

Other Players VLC: 1.1.11 or above

Included Accessories

Packing Contents Quick installation guide, lens, camera stand

Dimensions



Compatible Accessories

Enclosures		Lens	
 <p>AE-23E-v2 Outdoor enclosure, PoE input, IP68, IK10</p>	 <p>AE-244 Outdoor enclosure, built-in 50m IR, PoE input, IP68, IK10</p>	 <p>AL-239 8 ~ 80mm, F1.6, DC-iris</p>	 <p>AL-24A 12 ~ 40mm, F1.8, P-iris</p>
Lens			
 <p>AL-24E 3.9 ~ 10mm, F1.5, P-iris</p>	 <p>AL-24F 4.4 ~ 10mm, F1.3, P-iris</p>	 <p>AL-248 12 ~ 50 mm, F1.8, P-iris</p>	
Lens			
 <p>AL-251 3.9 ~ 10 mm, F1.5, i-CS (Standard Package)</p>	 <p>AL-252 9 ~ 50 mm, F1.5, i-CS</p>		