



IP9164-HT

Box Network Camera

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

- 60 fps @ 1920x1080
- H.265 Compression Technology
- SNV (Supreme Night Visibility) for Low Light Conditions
- WDR Pro for Unparalleled Visibility in High Contrast Environments
- Smart Stream III to Optimize Bandwidth Efficiency
- EIS (Electronic Image Stabilization) to Control Image Stability
- Video Rotation for Corridor View
- i-CS (intelligent-CS) Lens Supported
- Trend Micro IoT Security



Technical Specifications

System Information

Model	IP9164-HT *Project model: default w/o lens
CPU	Multimedia SoC (System-on-Chip)
Flash	256MB
RAM	1GB (512MB reserve for VADP)

Camera Features

Image Sensor	1/2" Progressive CMOS
Max. Resolution	1920x1080 (2MP)
Lens Type	Vari-focal, Remote Focus, i-CS supported
Focal Length	Depend on lens
Aperture	Depend on lens
Iris Type	i-CS/P-iris/DC-iris *Depend on lens
Field of View	Depend on lens
Shutter Time	1/5 sec. to 1/32,000 sec. (WDR off) 1/30 sec. or 1/60 sec. ~ 1/32000 sec. (WDR on) *Shutter can be adjusted by user
WDR Technology	WDR Pro
Day/Night	Yes
Removable IR-cut Filter	Yes
Minimum Illumination	0.025 Lux @ F1.5 (Color) 0.001 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 Seamless Recording

Video

Video Compression	H.265, H.264, MJPEG
Maximum Frame Rate	30 fps @ 1920 x1080 (WDR on) (default) 60 fps @ 1920x1080 (WDR off)
Maximum Streams	3 simultaneous streams
S/N Ratio	64 dB above
Video Streaming	Adjustable resolution, quality and constant, bitrate control, Smart Stream III
Image Settings	Adjustable image size, quality and bit rate, time stamp, text overlay, flip and mirror, configurable brightness/contrast/saturation/sharpness, white balance, exposure control, gain, backlight compensation, AE speed, privacy masks, scheduled profile settings, HLC, defog, 3DNR, EIS, video rotation, lens profile
Dynamic Range	120 dB

Audio

Audio Capability	Two-way Audio (full duplex)
Audio Compression	G.711, G.726
Audio Interface	External microphone input External line output

Network

Users	Live viewing for up to 10 clients
Protocols	802.1X, ARP, CIFS/SMB, CoS, DDNS, DHCP, DNS, FTP, HTTP, HTTPS, ICMP, IGMP, IPv4, IPv6, NTP, PPPoE, QoS, RTSP/RTP/RTCP, SMTP, SNMP, SSL, TCP/IP, TLS, UDP, UPnP
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 www.onvif.org

Solution Integration

Video Motion Detection	Five-window video motion detection
Alarm Triggers	Motion detection, manual trigger, digital input, periodical trigger, system boot, recording notification, camera tampering detection, audio detection, SD card life expectancy, cybersecurity events (brute force attack event, cyberattack event, quarantine event)
Alarm Events	Event notification via digital output, HTTP, SMTP, FTP, NAS server, SD card, push notification File upload via email, HTTP, FTP, NAS server, SD card
VADP Package	Trend Micro, Stratocast

General

Connectors	RJ-45 cable connector for Network/PoE connection Audio input Audio output DC 12V/AC 24V power input Digital input*2 Digital output*2 RS485 BNC
LED Indicator	System power and status indicator
Power Input	IEEE 802.3af PoE Class 0 DC 12V AC 24V
Power Consumption	DC 12V: Max. 9.5 W AC 24V: Max. 18 W PoE: Max. 11 W
Dimensions	158 (D) x 70 (W) x 61 (H) mm
Weight	680 g (w/o lens)
Safety Certifications	CE, LVD, FCC Class B, VCCI, C-Tick, UL
Operating Temperature	Start 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 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 QuickTime: 7 or above

Included Accessories

Others	Quick installation guide, warranty card, camera stand, screw pack
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Compatible Accessories

Enclosures



AE-23E-v2
Outdoor enclosure, PoE input, IP68, IK10

Lens



AL-239
8 ~ 80mm, F1.6, DC-iris

Lens



AL-24D
25 ~ 135mm, F1.8, P-iris

Lens



AL-251
3.9 ~ 10mm, F1.5, i-CS

Enclosures



AE-244
Outdoor enclosure, built-in 50m IR, PoE input, IP68, IK10

Lens



AL-248
12 ~ 50mm, F1.8, P-iris

Lens



AL-24E
3.9 ~ 10mm, F1.5, P-iris

Lens



AL-252
9 ~ 50mm, F1.5, i-CS