VIVOTEK
A Delta Group Company

S
SERIES

IP9164-LPC

Box Network Camera

2MP 60fps • SNV • WDR Pro • Smart Stream III • Remote Back Focus • License Plate Capture • 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
- i-CS (intelligent-C S) Lens Supported
- One Camera C overs Both Scene Overview AND LPC View
- Supreme Anti-Glare Capability by Headlight Filter Design

NDAA
Compliance

TREND
MICRO

Technical Specifications

System Information

Model	IP9164-LPC *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 * LPC with head light filter design in night mode
Minimum Illumination	0.025 lux @ F1.5 (Color) 0.001 lux @ F1.5 (B/W) *Depends on external IR
Pan/Tilt/Zoom Functionalities	ePTZ: 48x digital zoom (4x on IE plug-in, 12x built-in)
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
Dynamic Range	120 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 and mirror, configurable rightness/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

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
VADP Package	Trend Micro, Stratocast

Alarm and Event

Event Trigger	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)
Event Action	Event notification via digital output, email, HTTP, FTP, NAS server, SD card, push notification File upload via email, HTTP, FTP, NAS server, SD card

General

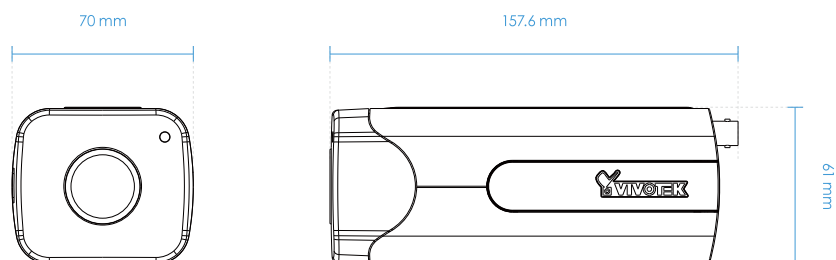|	
Connectors	RJ-45 cable connector for Network/PoE connection Audio input Audio output DC 12V power input AC 24V power input Digital input*2 Digital output*2 RS485 BNC
LED Indicator	System power and status indicator
Power Input	IEEE 802.3af PoE Class 0 DC 12V AC 24V
Power Consumption	DC 12V: Max. 9.5 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)
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%
Warranty	36 months

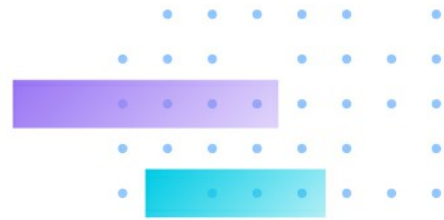## System Requirements

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

Packing Contents	Quick installation guide, warranty card, lens, screw pack

Dimensions

70 mm

157.6 mm

61 mm

Compatible Accessories

Enclosures	Enclosures
AE-23E-v2	AE-244
Outdoor enclosure, PoE input, IP68, IK10	Outdoor enclosure, built-in 50m IR, PoE input, IP68, IK10
Lens	**Lens**
AL-239	AL-248
8 ~ 80mm, F1.6, DC-iris	12 ~ 50mm, F1.8, P-iris
Lens	**Lens**
AL-24E	AL-251
3.9 ~ 10mm, F1.5, P-iris	3.9 ~ 10mm, F1.5, i-CS
Lens	
AL-252	
9 ~ 50mm, F1.5, i-CS	