VIVOTEK

S series
IP9191-HT
Box Network Camera

8MP 30fps • H.265 • Smart Stream III • WDR Pro • SNV • DIS • i-CS

VIVOTEK's IP9191-HT is a professional H.265 box network camera providing true 3840x2160 resolution at 30 fps. With ultra HD resolution, 30 frames per second, and VIVOTEK's SNV and WDR Pro technologies, this camera is capable of delivering clear, detailed images in a variety of challenging applications such as city surveillance, transportation and industrial monitoring.

VIVOTEK's in-house algorithm brings video compression to next level. With VIVOTEK's Smart Stream III technology, the IP9191-HT is capable of delivering excellent images while keeping bandwidth and storage consumption at extremely low levels, even smaller than typical 2-Megapixel image size.

The IP9191-HT is further equipped with an i-CS (intelligent-CS mount) lens with LSC (Lens Shading Correction) and LDC (Lens Distortion Correction) calibration functions to obtain even better images. When combined with remote focus system, these features enable installers to adjust zoom/focus remotely. These function-rich combinations make the IP9191-HT suitable for a wide range of video surveillance applications.

When housed inside the AE Series Enclosures, the IP9191-HT is excellent for long-range outdoor applications. Furthermore, when equipped with the 12-50mm AL-248 lens, the IP9191-HT is an ideal camera that could deliver exceptional images even from surveillance targets that are over 100 meters away.

Key Features

- H.265 Compression Technology
- 30 fps @ 3840x2160 (WDR on)
- 120 fps @ 1920x1080 (WDR off)
- 3.9 ~ 10 mm, Remote Focus, i-CS Lens (Intelligent-CS)
- Smart Stream III to Optimize Bandwidth Efficiency
- WDR Pro for Unparalleled Visibility in Extremely Bright and Dark Environments
- SNV (Supreme Night Visibility) for Low Light Conditions
- DIS (Digital Image Stabilization)
- Video Rotation for Corridor View
- Lens Profile for Camera Quality Optimization
- Trend Micro IoT Security within Standard Warranty Period

2MP Resolution

4K Resolution

Technical Specifications

Model	IP9191-HT

System Information

CPU	Multimedia SoC (System-on-Chip)
Flash	128MB
RAM	1GB

Camera Features

Image Sensor	1/2" Progressive CMOS
Max. Resolution	3840x2160
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	45° ~ 119° (Horizontal) 25° ~ 63° (Vertical) 52° ~ 142° (Diagonal)
Shutter Time	1/5 sec. to 1/32,000 sec.
WDR Technology	WDR Pro
Day/Night	Yes
Removable IR-cut filter	Yes
Minimum Illumination	0.02 Lux @ F1.5 (Color) 0.01 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

Compression	H.265, H.264, MJPEG
Maximum Frame Rate	30 fps @ 3840x2160 (WDR Pro on) 120 fps @ 1920x1080 (WDR Pro off)
Maximum Streams	3 simultaneous streams
S/N Ratio	60.5 dB
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 & 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)

Audio

Audio Capability	Two-way audio
Compression	G.711, G.726
Interface	External microphone input External line output

Network

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, SSL/ TLS
Interface	10 Base-T/100 Base-TX Ethernet /1000 Base-T (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

Intelligent Video

Video Motion Detection	Five-window video motion detection

Alarm and Event

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

General

Connectors	RJ-45 cable connector for Network 10/100/1000 Mbps PoE connection*1 Audio input*1 Audio output*1 DC 12V/AC 24V power in *1 Digital input*2 Digital output*2 RS-485 *1
LED Indicator	System power and status indicator
Power Input	DC 12V, AC 24V, IEEE 802.3af PoE Class 0
Power Consumption	Max. 12 W
Dimensions	151 x 70 x 61 mm (w/o lens) 210 x 70 x 61 mm (w/ lens)
Weight	671 g (w/o lens) 743 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 ~ 50°C (14°F ~ 122°F)
Humidity	90%

System Requirements

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

210 mm   70 mm   61 mm
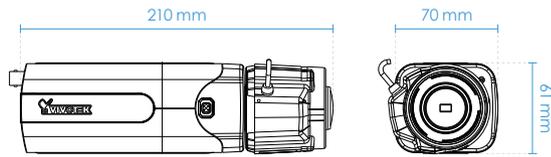
Compatible Accessories

Enclosures

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

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

Lens

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

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

AL-251
3.9~10mm, F1.5, i-CS (Standard Package)