![VIVOTEK]

# IP9171-HP

## Fixed Network Camera

**V series**

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**3MP · H.265 Compression · Smart Stream II · Bandwidth Saving · WDR Pro · SNV · GbE Port · DIS**
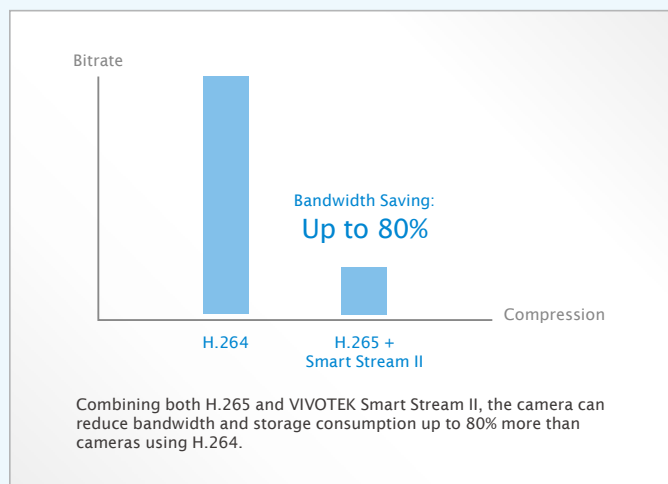
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VIVOTEK's IP9171-HP is a brand-new professional H.265 box network camera offering up to 30 fps at 3-Megapixel with superb image quality. By utilizing VIVOTEK's sophisticated Smart Stream II, the camera is able to optimize resolution for a desired object or area and thus ensure maximum efficiency of bandwidth usage. Combining both H.265 and Smart Stream II, the IP9171-HP can reduce both bandwidth and storage consumption by up to 80%* while maintaining the high standard of image quality. This unique combination of high resolution and low storage consumption make the IP9171-HP suitable for a wide range of video surveillance applications, including government and industrial buildings, retail environments, airports, railway stations and schools.

Additionally, employing WDR Pro, a True WDR, allows the camera to capture both the dark and bright areas of an image, combining the differences to create a highly realistic representation of the original scene. Further improving the IP9171-HP's range of operating conditions, SNV technology makes high-quality full-color surveillance video possible under low-light conditions. Together, these features enable the camera to provide video quality strikingly close to the capabilities of the human eye. Further enhancing the camera's ability to adapt to its environment, precise software controls maintain the iris opening of the IP9171-HP's lens at an optimal level at all times, resulting in superior sharpness as well as depth of field. Finally, the IP9171-HP is also endowed with VIVOTEK's RBF (Remote Back Focus) System, empowering the installer to adjust focus both precisely and with greater flexibility.

* Depending on scenes

## Key Features

- · H.265 Compression Technology
- · 30 fps @ 2048x1536
- · P-iris Lens
- · Smart Stream II to Optimize Bandwidth Efficiency
- · WDR Pro, a True WDR, for Unparalleled Visibility in High Contrast Environments
- · Remote Back Focus for Easy Focus Adjustments
- · SNV (Supreme Night Visibility) for Low Light Conditions
- · Video Rotation for Corridor View
- · Lens Profile to Ensure the Full Compatibility for Different Lens Options
- · Gigabit Ethernet for High Speed of Transmission
- · Snapshot Focus
- · DIS (Digital Image Stabilization)

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Bitrate

Bandwidth Saving:
**Up to 80%**

Compression

H.264        H.265 +
             Smart Stream II

Combining both H.265 and VIVOTEK Smart Stream II, the camera can reduce bandwidth and storage consumption up to 80% more than cameras using H.264.

Lobby

Hotel

Bank

Traffic Monitoring

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|---|---|
| Model | IP9171-HP |
| **System Information** | |
| CPU | Multimedia SoC (System-on-Chip) |
| Flash | 128MB |
| RAM | 512MB |
| **Camera Features** | |
| Image Sensor | 1/2.8" Progressive CMOS |
| Maximum Resolution | 2048x1536 (3MP) |
| Lens Type | Vari-Focal |
| Focal Length | f= 2.8 ~ 8 mm |
| Aperture | F1.2 ~ F1.95 |
| Auto-iris | P-Iris |
| Field of View | 51˚~114˚ (Horizontal)<br>39˚~84˚ (Vertical)<br>63˚~143˚ (Diagonal) |
| Shutter Time | 1/5 sec. to 1/16,000 sec. |
| WDR Technology | WDR Pro, True WDR |
| Day/Night | Removable IR-cut filter for day & night function |
| Minimum Illumination | 0.01 Lux @ F1.2 (Color)<br>0.001 Lux @ F1.2 (B/W) |
| Pan/Tilt/Zoom Functionalities | ePTZ:<br>48x digital zoom (4x on IE plug-in, 12x built in) |
| On-board Storage | Slot Type: MicroSD/SDHC/SDXC card slot<br>Seamless Recording |
| **Video** | |
| Compression | H.265 & H.264 & MJPEG |
| Maximum Frame Rate | H.264 & H.265<br>30fps @ 2048x1536<br>MJPEG<br>15fps @ 2048x1536 |
| Maximum Streams | 3 simultaneous streams |
| S/N Ratio | 60 dB |
| Dynamic Range | True WDR, 100dB |
| Video Streaming | Adjustable resolution, quality and bitrate<br>Smart Stream II |
| Image Settings | Time stamp, text overlay, flip & mirror<br>Configurable brightness, contrast, saturation,<br>sharpness, white balance, exposure control, gain,<br>backlight compensation, privacy masks<br>Scheduled profile settings, video rotation, 3DNR,<br>defog, Snapshot Focus, Lens Profile, DIS |
| **Audio** | |
| Audio Capability | Two-Way Audio (full duplex) |
| Compression | G711, G726 |
| Interface | External microphone input<br>Audio output |
| **Network** | |
| Users | Live viewing for up to 10 clients |
| Protocols | IPv4, IPv6, TCP/IP, HTTP, HTTPS, UPnP, RTSP/RTP/<br>RTCP, IGMP, SMTP, FTP, DHCP, NTP, DNS, DDNS,<br>PPPoE, CoS, QoS, SNMP, 802.1X, UDP, ICMP, ARP, SSL,<br>TLS |
| Interface | 10 Base-T/100 Base-TX /1000 Base-T Ethernet (RJ-45)<br>*It is highly recommended to use standard CAT5e<br>& CAT6 cables which are compliant with the 3P/ETL<br>standard. |
| ONVIF | Supported, specification available at www.onvif.org |
| **Intelligent Video** | |
| Video Motion Detection | Five-window video motion detection |

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| VCA* | Line crossing detection, field detection, loitering detection |
| **Alarm and Event** | |
| Alarm Triggers | Video motion detection, manual trigger, digital input, periodical trigger, system boot, recording notification, camera tampering detection, audio detection |
| Alarm Events | Event notification using digital output, HTTP, SMTP, FTP and NAS server, SD Card<br>File upload via HTTP, SMTP, FTP, NAS server and SD card |
| **General** | |
| Smart Focus System | Remote Back Focus via UI |
| Connectors | RJ-45 cable connector for 10/100/1000Mpbs<br>Network/PoE connection<br>Audio input<br>Audio output<br>DC 12V power input<br>AC 24V Power input<br>Digital input*3<br>Digital output*1<br>RS485 |
| LED Indicator | System power and status indicator |
| Power Input | DC12 V/AC 24V<br>IEEE 802.3af/at PoE Class 0 |
| Power Consumption | Max. 8.6 W |
| Dimensions | 210 (D) x 70 (W) x 63 (H) mm |
| Weight | 623 g |
| Safety Certifications | CE, LVD, FCC Class B, VCCI, C-Tick, UL |
| Operating Temperature | Starting Temperature:  0˚C ~ 50˚C (32˚F ~ 122˚F )<br>Working Temperature:  -10˚C ~ 50˚C (14˚F ~ 122˚F ) |
| Humidity | 90% |
| Warranty | 36 months |
| **System Requirements** | |
| Operating System | Microsoft Windows 7/8/Vista/XP/2000 |
| Web Browser | Mozilla Firefox 7~10 (streaming only)<br>Internet Explorer 7/8/9/10/11 |
| Other Players | VLC: 1.1.11 or above<br>Quicktime: 7 or above |
| **Included Accessories** | |
| CD | User's manual, quick installation guide, Installation Wizard 2, VAST |
| Others | Quick installation guide, mounting bracket, screw pack, Lens |

## Dimensions



70 mm | 210 mm | 157 mm | 63 mm

* Available per project request.
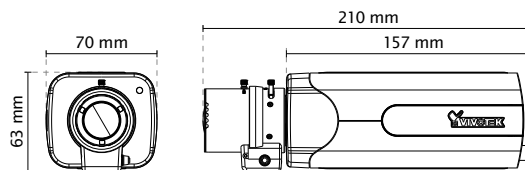
## Compatible Accessories

**Enclosures**


**AE-244**
Camera Enclosure,
PoE/DC, IR 50M, IP68, IK10,
-20˚C ~ 50˚C


**AE-23C**
Camera Enclosure,
24VAC/VDC, IP68, IK10,
-50˚C ~ 50˚C

**IR Illuminators**


**CM48I8-2040**
48W Illuminator, distance 200M,
-40 ˚C ~ 60 ˚C, 12~24V DC,
24V AC

**Lens**


**AL-242**
CS mount, 12.5 ~ 50 mm,
F1.4, P-iris, 1/2.7"


**AL-243**
CS mount, 7~22 mm,
F1.4, P-iris, 1/2.7"

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