



SD9161-H

Speed Dome Network Camera



H.265 · 1080P Full HD · 10x Zoom · WDR Pro · Smart Stream II · EIS · Defog

VIVOTEK's SD9161-H is a high-performance H.265 speed dome network camera, offering 1080p Full HD resolution and consistently superb image quality. Adopting the power of a 10x optical zoom lens and the maneuverability of a sophisticated pan/tilt mechanism, the SD9161-H is able to capture fine detail at top-notch quality and is especially suitable for wide-open indoor spaces, such as airports and lobbies, where the highest levels of reliability and precision are required.

Featuring the Wide Dynamic Range Technology, WDR Pro, the SD9161-H provides improved visibility in both extremely dark and light environments. Additionally, this unique camera also supports VIVOTEK's sophisticated Smart Stream II, enabling the optimization of quality for desired regions and thus delivering

the maximum possible efficiency of bandwidth usage. Combining H.265 compression technology and VIVOTEK's Smart Stream II technology, users can enjoy bandwidth savings of up to 80%* compared to traditional H.264 systems.

Incorporating a number of advanced features standard for VIVOTEK cameras, including EIS, MicroSD/SDHC/SDXC card slot, and VIVOTEK's 32-channel recording software, the SD9161-H is the ideal solution for your indoor surveillance needs.

* Depending on scene being monitored

Key Features

- H.265 Compression Technology
- 1080P Full HD CMOS Sensor
- 30 fps @ 1920x1080
- 10x Optical Zoom
- Removable IR-cut Filter for Day & Night Function
- 360° Continuous Pan and 90° Tilt
- WDR Pro for Unparalleled Visibility in High Contrast Environments
- Smart Stream II to Optimize Bandwidth Efficiency
- Built-in 802.3at Compliant PoE
- Auto Tracking for Moving Objects
- Built-in MicroSD/SDHC/SDXC Card Slot for On-board Storage
- Defog
- EIS (Electronic Image Stabilization) to Control Image Stability



Without WDR Pro














With WDR Pro

Technical Specifications

| | |
|-------------------------------|---|
| Model | SD9161-H |
| System Information | |
| CPU | Multimedia SoC (System-on-Chip) |
| Flash | 128MB |
| RAM | 512MB |
| Camera Features | |
| Image Sensor | 1/3" Progressive CMOS |
| Maximum Resolution | 1920x1080 (2MP) |
| Lens Type | 10x Optical Zoom, Auto Focus |
| Focal Length | f = 5.1 ~ 51 mm |
| Aperture | F1.6 ~ F1.8 |
| Auto-iris | DC-iris |
| Field of View | 4.9° ~ 54° (Horizontal) 4° ~ 31° (Vertical) 6.7° ~ 68° (Diagonal) |
| Shutter Time | 1/8 sec. to 1/30,000 sec. |
| WDR Technology | WDR Pro |
| Day/Night | Removable IR-cut filter for day & night function |
| Minimum Illumination | 0.2 Lux @ F1.6 (Color) 0.01 Lux @ F1.6 (B/W) |
| Pan Speed | 0.05° ~ 360° / sec |
| Pan Range | 360° endless |
| Tilt Speed | 0.05° ~ 360° / sec |
| Tilt Range | 180° |
| Preset Locations | 256 preset locations 128 presets per tour |
| Pan/Tilt/Zoom Functionalities | 128x digital zoom (4x on IE plug-in, 32x built-in) Auto pan mode Auto patrol mode |
| On-board Storage | Slot type: MicroSD/SDHC/SDXC card slot Seamless Recording |
| Video | |
| Compression | H265, H264, MJPEG |
| Maximum Frame Rate | 30 fps @ 1920x1080 In all compression modes |
| Maximum Streams | 4 simultaneous streams |
| S/N Ratio | 50dB |
| Dynamic Range | 100dB |
| Video Streaming | Adjustable resolution, quality and constant bit rate control Smart Stream II |
| Image Settings | Time stamp, text overlay, flip & mirror; Configurable brightness, contrast, saturation, sharpness, white balance, exposure control, gain, backlight compensation, privacy masks (up to 24) Scheduled profile settings, EIS, 3DNR, defog |
| Audio | |
| Audio Capability | Two-way Audio (full duplex) |
| 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, SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPoE, CoS, QoS, SNMP, 802.1X, NTCIP, ARP, SSL, TLS, ICMP |

| | |
|---|--|
| Interface | 10 Base-T/100 BaseTX 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 |
| Intelligent Video | |
| Video Motion Detection | Five-window video motion detection |
| Auto-Tracking | Auto-tracking on moving object |
| Alarm and Event | |
| Alarm Triggers | Motion detection, manual trigger, digital input, periodical trigger, system boot, recording notification, audio detection |
| Alarm Events | Event notification using digital output, HTTP, SMTP, FTP and NAS server, SD Card File upload via HTTP, SMTP, FTP, NAS server and SD card |
| General | |
| Connectors | RJ-45 cable connector for Network/PoE connection Audio input Audio output 24V DC/24V AC power input Digital input*4 Digital output*2 |
| LED Indicator | System power and status indicator |
| Power Input | 24V DC 24V AC IEEE 802.3at PoE Class 4 |
| Power Consumption | Max. 15W |
| Dimensions | Ø 172 x 157 mm (Camera Body) |
| Weight | 1043 g |
| Safety Certifications | CE, LVD, FCC Class A, VCCI, C-Tick, UL |
| Operating Temperature | Starting Temperature: -10°C ~ 55°C (14°F ~ 131°F) Working Temperature: -10°C ~ 55°C (14°F ~ 131°F) |
| Humidity | 90% |
| Warranty | 36 months |
| System Requirements | |
| Operating System | Microsoft Windows 7/8/Vista/XP/2000 |
| Web Browser | Mozilla Firefox 7~43 (streaming only) Internet Explorer 7/8/9/10/11 |
| Other Players | VLC: 1.1.11 or above Quicktime: 7 or above |
| Included Accessories | |
| CD | User's manual, quick installation guide, Installation Wizard 2, VAST |
| Others | Indoor pendant mount, quick installation guide, alignment sticker, L-wrench, software CD, power cable |
| Dimensions | |
|  <p>The diagram shows two views of the camera body. The top view shows a width of 172 mm and a depth of 120 mm. The side view shows a height of 157 mm. The camera body is cylindrical with a lens at the front and a mounting bracket at the back.</p> | |

Compatible Accessories

| Mounting Kits | | | Others | |
|---|---|---|--|---|
|  |  |  |  |  |
| AM-21C Wall Mount Bracket | AM-52A Mounting Adapter | AM-107 Recessed Kit | IPD-USB USB Joystick | AO-003 Combo Cable |
| PoE Kit/Power Adapter | | | | |
| 24VAC | | | | |
|  | | | | |
| AA-341 AC 24V 3.5A Power Adapter | | | | |
| IEEE 802.3at PoE Class 4 | | | | |
|  |  |  |  |  |
| AP-GIC-010A-030 1xGE IEEE802.3at PoE Injector | AW-GET-050A-065 Unmanaged 4xGE PoE + 1xGE Switch | AW-GET-080A-120 Unmanaged 8xGE PoE Switch | AW-GEV-104A-130 VivoCam L2 Managed 8xGE PoE + 1xGE UTP + 1xGE SFP Switch | AW-GEV-264A-185 VivoCam L2 Managed 24xGE PoE + 2xGE Combo Switch |