



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

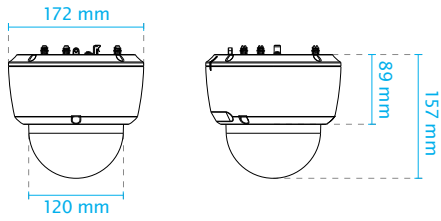


With WDR Pro

Technical Specifications

Model	SD9161-H		
System Information			
CPU	Multimedia SoC (System-on-Chip)		
Flash	128 MB		
RAM	512 MB		
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	54° ~ 4.9° Horizontal 31° ~ 4° (Vertical) 68° ~ 6.7° (Diagonal)		
Shutter Time	1/8 sec. to 1/30,000 sec.		
WDR Technology	WDR Pro		
Day/Night	Yes		
Removable IR-cut filter	Yes		
Illuminators	-		
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		
Storage	Seamless Recording to MicroSD/SDHC/SDXC card and recording to network-attached storage (NAS)		
Video			
Compression	H265, H264, MJPEG		
Maximum Frame Rate	30 fps @ 1920x1080 In all compression modes		
Maximum Streams	4 video streams (Up to 9 configurable profiles)		
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		
Security	Access list, digest authentication, HTTPS, IEEE 802.1x, Password protection, signed firmware, Trend Micro IoT Security (brute force attack event, cyberattack event, quarantine event), user access log, user account management		
Protocols	802.1X, ARP, Bonjour, CIFS/SMB, DDNS, DHCP, DNS, FTP, HTTP, HTTPS, ICMP, IGMPv3, IPv4, IPv6, NTCIP, NTP, PPPoE, QoS (CoS/DSCP), RTSP/RTP/RTCP, SMTP, SNMP, SSL, TCP/IP, TLS 1.2, UDP, UPnP		
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	Profile G, S, T supported, specification available at www.onvif.org		
Solution Integration			
Video Motion Detection	Five-window video motion detection		
Auto-Tracking	Auto-tracking on moving object		
VADP Package	Trend Micro (3-year free trial), Stratocast		
Alarm and Event			
Event Trigger	Audio detection, camera tampering detection, cybersecurity events (brute force attack event, cyberattack event, quarantine event), digital input, manual trigger, motion detection, periodical trigger, recording notification, SD card life expectancy, system boot		
Event Action	Event notification via audio clip, 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 10/100Mbps Network/PoE connection Audio line input Audio line output AC/DC 24V power input Digital input *4 Digital output *2		
LED Indicator	System power and status indicator		
Power Input	AC 24V, DC 24V, IEEE 802.3at PoE Class 4 (Simultaneous Power Redundancy Supported)		
Power Consumption	Max. 15W		
Dimensions	Ø 172 x 157 mm		
Weight	1 kg		
Certifications	EMC: CE, LVD, FCC Class A, VCCI; Safety: 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% RH (non-condensing)		
Warranty	36 months		
System Requirements			
Operating System	Microsoft Windows 10/8/7 Mac 10.12 (Chrome only)		
Web Browser	Chrome 58.0 or above Internet Explorer 10/11		
Other Players	VLC: 1.1.11 or above		
Included Accessories			
Packing Contents	Indoor pendant mount, quick installation guide, alignment sticker, L-wrench, power cable		

Dimensions



Compatible Accessories

Mounting Kits



AM-21C
Wall Mount Bracket



AM-52A
Mounting Adapter



AM-107
Recessed Kit

Others



IPD-USB
USB Joystick



AO-003
Combo Cable

PoE Kits



AP-GIC-010A-030
1xGE IEEE802.3at PoE
Injector



AW-FET-060C-065
Unmanaged 4xFE PoE +
2xFE UTP Switch



AW-FGT-100D-120
Unmanaged 8xFE PoE +
2xGE Combo Switch



AW-GEV-104B-130
VivoCam L2 Managed 8xGE
PoE + 2xGE SFP Switch



AW-GEV-264B-370
VivoCam L2 Managed
24xGE PoE + 2xGE SFP
Switch