

SD9161-H

Speed Dome Network Camera

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

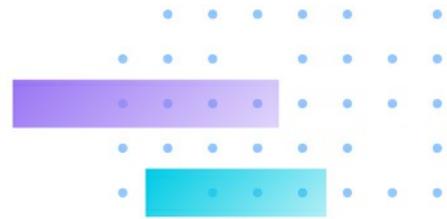
Technical Specifications

System Information

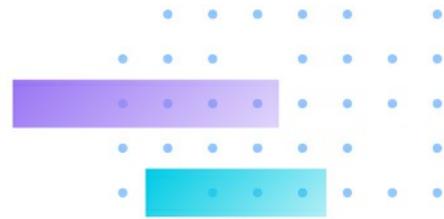
Model	SD9161-H
CPU	Multimedia SoC (System-on-Chip)
Flash	128 MB
RAM	256 MB

Camera Features

Image Sensor	1/3" Progressive CMOS
Max. Resolution	1920x1080 (2MP)
Lens Type	10x Optical Zoom, Auto Focus
Focal Length	f = 5.1 ~ 51 mm (10x zoom)
Aperture	F1.6 ~ F1.8
Iris Type	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
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	
Video Compression	H.265, H.264, MJPEG
Maximum Frame Rate	30 fps @ 1920x1080 In all compression modes
Maximum Streams	4 video streams (Up to 9 configurable profiles)
S/N Ratio	50 dB
Dynamic Range	100 dB
Video Streaming	Adjustable resolution, quality and bit rate control, Smart Stream II
Image Settings	Timestamp, 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, 3D noise reduction, defog
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
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 Base-TX 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)
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

