



C Series

CC9160-H

2MP Compact Panoramic
Network Camera



Technical Specifications

System Information

CPU	Multimedia SoC (System-on-Chip)
Flash	256 MB
RAM	512 MB

Camera Specifications

Image Sensor	1/2.8" Progressive CMOS
Max. Resolution	1920x1080 (2MP)
Lens Type	Fixed-focal
Focal Length	f = 1.66 mm
Aperture	F1.95
Iris Type	Fixed iris
Field of View	180° (Horizontal) 100° (Vertical) 180° (Diagonal)
Shutter Time	1/5 sec. to 1/32,000 sec.
WDR Technology	WDR Pro
Minimum Illumination	0.03 lux@F1.95
Pan/Tilt/Zoom Functionalities	ePTZ: 48x digital zoom (4x on IE plug-in, 12x built-in)
Storage	Seamless Recording to MicroSD/SDHC/SDXC card (1TB capacity supported) and recording to network-attached storage (NAS)

Video

Compression	H.265, H.264, MJPEG
Maximum Frame Rate	30 fps @ 1920x1080
Maximum Streams	3 video streams (Up to 8 configurable profiles)

S/N Ratio	66.2 dB
Dynamic Range	120 dB
Video Streaming	Adjustable resolution, quality and constrained bit rate control, Smart Stream III
Image Settings	General settings video title and time stamp overlay, video orientation (flip, mirror), Image settings: white balance, image adjustment (brightness, contrast, saturation, sharpness, gamma curve), defog, 3DNR Exposure BLC, HLC, exposure control (exposure level, exposure time, gain control), AE speed adjustment, WDR Privacy mask Scheduled profile settings

Audio	
Audio Capability	One-way Audio
Compression	G.711, G.726
Interface	Built-in microphone
Effective Range	5 meters

Network	
Users	Live viewing for up to 10 clients
Security	Access list, digest authentication, HTTPS, IEEE 802.1x, password protection, 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/SFTP, HTTP/HTTPS, ICMP, IGMPv3, IPv4, IPv6, NTP, PPPoE, QoS (CoS/DSCP), RTSP/RTP/RTCP, SMTP, SNMP, SSL, TCP/IP, TLS 1.2, UDP, UPnP
Interface	10Base-T/100 BaseTX Ethernet (RJ-45) *It is highly recommended to use standard Cat. 5e & Cat. 6 cables which are compliant with the 3P/ETL standard.
ONVIF	Profile G, S, T supported, specification available at www.onvif.org

Alarm and Event	
Event Trigger	Audio detection, camera tampering detection, cybersecurity events (brute force attack event, cyberattack event, quarantine event), manual trigger, motion detection, periodical trigger, recording notification, SD card life expectancy, system boot, digital input
Event Action	Event notification via email, HTTP, FTP, NAS server, SD card, push notification, digital output File upload via email, HTTP, FTP, NAS server, SD card

General	
Connectors	RJ-45 cable connector for 10/100 Mbps Network/PoE connection Digital input Digital output (DO+: 12V, 50mA; DO-: 30V, Open Drain, 1A)
LED Indicator	System power and status indicator
Power Input	IEEE 802.3af PoE Class 2
Power Consumption	PoE: Max. 5W
Dimensions	61x147x41 mm
Weight	127g

Certifications	EMC CE (EN 55032 Class B, EN 55035), FCC (FCC Part 15 Subpart B Class B), UKCA (BS EN 55032: 2015 +A11: 2020), RCM (AS/NZS CISPR 32 Class B), VCCI (VCCI-CISPR 32 Class B)
	Safety UL (UL 62368-1), CB (IEC/EN 62368-1, IEC/EN 60950-22, IEC/EN 62471), UKCA (BS EN IEC 62368-1: 2020 +A11: 2020)
	IA BIS (IS 13252), BSMI (EMC: CNS 13438, Safety: CNS 14336-1)
Operating Temperature	Starting Temperature: 0°C ~ 45°C (32°F ~113°F) Working Temperature: -10°C ~ 45°C (14°F ~113°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	Quick installation guide, mounting bracket, screw pack
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DORI (EN 62676-4 Standard)

Detection (25PPM/ 8PPF)	30.8(m) / 100.9(ft)
Observation (63PPM/ 19PPF)	12.2(m) / 40.1(ft)
Recognition (125PPM/ 38PPF)	5.2(m) / 17.1(ft)
Identification (250PPM/ 76PPF)	2.6(m) / 8.5(ft)