



# CC9381-HV

180° Panoramic Network Camera

5MP • WDR Pro • SNV • 180° Panoramic View • 15M IR • IK10 • IP66 • 3DNR • Anti-Ligature

- H.265 Compression Technology
- 5-Megapixel CMOS Sensor
- 20 fps @ 2560x1920 (WDR On), 30 fps @ 2560x1920 (WDR Off)
- 180° Horizontal Panoramic View
- 180° IR Illuminators up to 15 Meters
- WDR Pro (120 dB) to Provide Extreme Visibility in High Light Contrast Scenes
- SNV (Supreme Night Visibility) for Low Light Conditions
- Smart Stream III to Optimize Bandwidth Efficiency
- Trend Micro IoT Security
- Weather-proof IP66-rated and Vandal-proof IK10-rated Housing
- $\pm 25^\circ$  Tilt Lens
- Built-in Microphone
- Anti-Ligature Design



# Technical Specifications

## System Information

Model	CC9381-HV
CPU	Multimedia SoC (System-on-Chip)
Flash	256MB
RAM	512MB

## Camera Features

Image Sensor	1/2.7" Progressive CMOS
Max. Resolution	2560x1920 (5MP)
Lens Type	Fixed-focal
Focal Length	f = 1.45 mm
Aperture	F2.2
Auto-iris	Fixed-iris
Field of View	180° (Horizontal) 120° (Vertical) 180° (Diagonal)
Shutter Time	1/5 sec. to 1/32,000 sec.
WDR Technology	WDR Pro
Day/Night	Yes
Removable IR-cut Filter	Yes
IR Illuminators	Built-in IR illuminators, effective up to 15 meters with Smart IR
Minimum Illumination	0.11 Lux @ F2.2 (Color) 0.01 Lux @ F2.2 (B/W) 0 Lux with IR Illuminators on
Tilt Range	±25°
Pan/Tilt/Zoom Functionalities	ePTZ: 48x digital zoom (4x on IE plug-in, 12x built-in)
On-board Storage	Slot type: MicroSD/SDHC/SDXC card slot Seamless Recording

## Video

Video Compression	H.265, H.264, MJPEG
Maximum Frame Rate	H.265: 20 fps @ 2560x1920 (WDR On) 30 fps @ 2560x1920 (WDR Off) H.264: 20 fps @ 2560x1920 (WDR On) 25 fps @ 2560x1920 (WDR Off) MJPEG: 20 fps @ 2560x1920 (WDR On) 20 fps @ 2560x1920 (WDR Off)
Maximum Streams	3 simultaneous streams
S/N Ratio	62 dB
Dynamic Range	120 dB
Video Streaming	Adjustable resolution, quality and bit rate control, Smart Stream III
Image Settings	Time stamp, text overlay, flip and mirror, scheduled profile settings, configurable brightness/contrast/saturation/sharpness, white balance, exposure control, gain, backlight compensation, privacy masks, defog, 3DNR, pixel calculator

## Audio

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

## Network

Users	Live viewing for up to 10 clients
Protocols	802.1X, ARP, CIFS/SMB, CoS, DDNS, DHCP, DNS, FTP, HTTP, HTTPS, ICMP, IGMP, IPv4, IPv6, NTP, PPPoE, QoS, RTSP/RTP/RTCP, SMTP, SNMP, SSL, TCP/IP, TLS, 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	Supported, specification available at <a href="http://www.onvif.org">www.onvif.org</a>
<b>Solution Integration</b>	
Video Motion Detection	Five-window video motion detection
VADP Package	Genetec Package, Trend Micro IoT Security
<b>Alarm and Event</b>	
Alarm Triggers	Motion detection, manual trigger, periodical trigger, system boot, recording notification, camera tampering detection, audio detection, SD card life expectancy, cybersecurity events (brute force attack event, cyberattack event and quarantine event)
Alarm Events	Event notification via email, HTTP, FTP, NAS server, SD card File upload via email, HTTP, FTP, NAS server, SD card
<b>General</b>	
Connectors	RJ-45 cable connector for 10/100Mbps Network/PoE connection
LED Indicator	System power and status indicator
Power Input	IEEE 802.3af PoE Class 0
Power Consumption	Max. 6.7 W
Dimensions	159.9 x 71.92 x 60.2 mm (Dome to rear panel), 39.2 mm (Flat to rear panel)
Weight	492 g
Casing	IP66, IK10
Safety Certifications	CE, LVD, FCC Class B, VCCI, C-Tick, UL
Operating Temperature	Starting Temperature: -10°C ~ 50°C (14°F~ 122°F) Working Temperature: -20°C ~ 50°C (-4°F~ 122°F)
Humidity	90%
Warranty	24 months
<b>System Requirements</b>	
Operating System	Microsoft Windows 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 QuickTime: 7 or above
<b>Included Accessories</b>	
Others	Quick installation guide, warranty card, mounting bracket, tilt bracket, screw pack

## Dimensions

