



# CC9380-HV

Anti-Ligature Fisheye Network Camera

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

- 5-Megapixel CMOS Sensor
- 20 fps @ 2560x1920 (WDR On), 30 fps @ 2560x1920 (WDR Off)
- Anti-Ligature Design
- 180° Horizontal Panoramic View
- WDR Pro (120dB) to Provide Extreme Visibility in High Light Contrast Scenes
- SNV (Supreme Night Visibility)
- Weather-proof IP66-rated and Vandal-proof IK10-rated Housing
- $\pm 25^\circ$  Tilt Lens
- Built-in Microphone
- 3D Noise Reduction for Low-light Conditions
- Trend Micro IoT Security



## Overview

VIVOTEK's CC9380-HV is an update on the widely popular CC8370-HV, now available in 5MP with H.265 compression.

The CC9380-HV is a true day/night camera, with a removable IR-cut filter. Through the use of a single fisheye lens set to a 180° panoramic view, the seamless image provides a very large vertical field of view. This allows for amazing close range surveillance coverage in a low profile design.

To meet the demands of any harsh outdoor application, the CC9380-HV is also armed with IP66-rated housing to help the camera body withstand rain, dust and high pressure water jets from any direction, while its IK10-rated housing provides robust protection against acts of vandalism. In addition the CC9380-HV continues the trend of its predecessor CC8370-HV and has an anti-ligature housing, to reduce chances of suicide and/or self inflicted harm.

# Technical Specifications

## System Information

Model	CC9380-HV
CPU	Multimedia SoC (System-on-Chip)
Flash	256 MB
RAM	512 MB

## 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
Minimum Illumination	0.11 Lux @ F2.2 (Color) 0.01 Lux @ F2.2 (B/W)
Tilt Range	±25°
Pan/Tilt/Zoom Functionalities	ePTZ: 48x digital zoom (4x on IE plug-in, 12x built-in)
Storage	Seamless Recording to MicroSD/SDHC/SDKC card and recording to network-attached storage (NAS)

## Video

Video Compression	H.265, H.264, MJPEG
Maximum Frame Rate	H.265: 20 fps/30 fps @ 2560x1920 (WDR Pro on/off) H.264: 20 fps/25 fps @ 2560x1920 (WDR Pro on/off) MJPEG: 20 fps/20 fps @ 2560x1920 (WDR Pro on/off)
Maximum Streams	3 video streams (Up to 8 configurable profiles)
S/N Ratio	62 dB
Dynamic Range	120 dB
Video Streaming	Adjustable resolution, quality and bitrate; Smart Stream III
Image Settings	General settings: video title and time stamp overlay, video orientation (flip, mirror), day/night settings; Image settings: white balance, image adjustment (brightness, contrast, saturation, sharpness, gamma curve), defog, 3DNR, HLM, DIS, scene mode (auto, deblur); Exposure: BLC, HLC, exposure control (exposure level, iris adjustment, exposure time, gain control, iris mode), AE speed adjustment, WDR; Privacy mask: Scheduled profile settings

## 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
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, 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 <a href="http://www.onvif.org">www.onvif.org</a>
<b>Solution Integration</b>	
Video Motion Detection	Five-window video motion detection
VADP Package	Trend Micro IoT Security (1-year free trial), VIVOCloud
<b>Alarm and Event</b>	
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
Event Action	Event notification via email, HTTP, FTP, NAS server, SD card, push notification 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 1
Power Consumption	Max. 5 W
Dimensions	115 x 65 x 59 mm
Weight	338 g
Certifications	EMC: CE (EN55032 Class B, EN55024), FCC (FCC Part 15 Subpart B Class B), VCCI (VCCI-CISPR 32 Class B); Safety: UL (UL62368-1), CB (IEC/EN 62368-1, IEC/EN 60950-22, IEC/EN 62471); Environment: IK10 (IEC 62262), IP66 (IEC 60529); IA: BIS (IS 13252)
Operating Temperature	Starting Temperature: -10°C ~ 50°C (14°F~ 122°F) Working Temperature: -30°C ~ 50°C (-22°F~ 122°F)
Humidity	90%
Warranty	36 months
<b>System Requirements</b>	
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
<b>Included Accessories</b>	
Others	Quick installation guide, warranty card, mounting bracket, screw pack

## Dimensions

