VIVOTEK
A Delta Group Company

C Series

FE9180-H-V2

5MP Fisheye Panoramic Network Camera

Technical Specifications

System Information	
CPU	Multimedia SoC (System-on-Chip)
Flash	128 MB
RAM	512 MB

Camera Specifications	
Image Sensor	1/2.7" Progressive CMOS in 2688x1944
Max. Resolution	1920x1920
Lens Type	Fixed-focal
Focal Length	f = 1.16mm
Aperture	F2.25
Iris Type	Fixed iris
Field of View	180° (Horizontal) 180° (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	0.05 lux @ F2.25 (Color) <0.005 lux @ F2.25 (B/W)
Pan/Tilt/Zoom Functionalities	ePTZ: 12x digital zoom (12x on IE plug-in)
Storage	Seamless Recording to MicroSD/SDHC/SDXC card (1TB capacity supported) and recording to network-attached storage (NAS)
Built-in Installation Aids	Pixel calculator

Video	
Compression	H.265, H.264, MJPEG
Maximum Frame Rate	24 fps @ 1920x1920 (WDR on) 30 fps @ 1920x1920 (WDR off)
Maximum Streams	4 video streams (Up to 9 configurable profiles)
S/N Ratio	63 dB
Dynamic Range	120 dB
Video Streaming	Adjustable resolution, quality and constant bit rate control, 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 Exposure BLC, exposure control, AE speed adjustment, WDR Privacy mask Scheduled profile settings pixel calculator
Display Mode	Client dewarping Ceiling mounted: 1O Fisheye, 1P Panoramic, 2P Two Panoramics, 1R One Region, 4R Four Regions, 1O3R One Fisheye Three Regions, 1O8R One Fisheye Eight Regions Wall mounted: 1O Fisheye, 1P Panoramic, 1R One Region, 4R Four Regions, 1P2R One Panoramic Two Regions, 1P3R One Panoramic Three Regions, 1O3R, One Fisheye Three Regions Local dewarping Ceiling mounted: 1O Fisheye, 1P Panoramic, 2P Two Panoramics, 1R One Region, 4R Four Regions Wall mounted: 1O Fisheye, 1P Panoramic, 1R One Region, 4R Four Regions

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, 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	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	
VADP Package	Trend Micro IoT Security (1-year free trial), VIVOCloud
Video Motion Detection	Five-window video motion detection

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, shock detection, system boot
Event Action	Event notification via email, HTTP, FTP, NAS server, SD card File upload via email, HTTP, FTP, NAS server, SD card, Camera link

General

Connectors	RJ-45 cable connector for 10/100 Mbps PoE network connection
LED Indicator	System power and status indicator
Power Input	IEEE 802.3af PoE Class 2
Power Consumption	Max 4.6 W
Dimensions	ø 94 x 35 mm
Weight	140 g
Certifications	EMC CE (EN 55032 Class B, EN55024, EN50121-4), FCC (FCC Part 15 Subpart B Class B), 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) IA BIS (IS 13252), BSMI (EMC: CNS 13438, Safety: CNS 14336-1)
Operating Temperature	Starting Temperature: 0°C ~ 50°C (32°F ~122°F) Working Temperature: -10°C ~ 50°C (14°F ~122°F)
Humidity	90%

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, alignment sticker, screw pack

DORI (EN 62676-4 Standard)

Detection (25PPM/ 8PPF)	31.4 m (103 ft)
Observation (63PPM/ 19PPF)	12.5 m (41 ft)
Recognition (125PPM/ 38PPF)	6.3 m (20.7 ft)
Identification (250PPM/ 76PPF)	3.1 m (10.2 ft)

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