



S Series

FD9387-FR-V2

5MP Facial Recognition Network Camera



Technical Specifications

System Information

CPU	Multimedia SoC (System-on-Chip)
Flash	1 GB
RAM	DDR4 2 GB

Camera Specifications

Image Sensor	1/2.8" Progressive CMOS
Max. Resolution	2560x1920 (5MP)
Lens Type	Motorized, Vari-focal, Remote Focus
Focal Length	f= 2.7~ 13.5 mm
Aperture	F1.4(W) ~ F2.8(T)
Iris Type	P-iris
Field of View	95° ~ 30° (Horizontal) 70° ~ 23° (Vertical) 128° ~ 38° (Diagonal)
Shutter Time	1/5 sec. to 1/32,000 sec.
WDR Technology	WDR Pro
Day/Night	Yes
Removable IR-cut filter	Yes
Illuminators	Built-in IR illuminators, effective up to 50 meters with Smart IR III, IR LED*4 (50IRE)
Minimum Illumination	0.075 lux @ F1.4 (Color) <0.01 lux @ F1.4 (B/W) 0 lux with IR illumination on
Pan Range	±175°
Tilt Range	80°
Rotation Range	±175°

Pan/Tilt/Zoom Functionalities	ePTZ: 48x digital zoom (4x on IE plug-in, 12x built-in)
Storage	Seamless Recording to MicroSD/SDHC/SDKC card (1TB capacity supported) and recording to network-attached storage (NAS)
Built-in Installation Aids	Remote focus, remote zoom

Video	
Compression	H.265, H.264, MJPEG
Maximum Frame Rate	30 fps @ 2560x1920 (WDR Pro on) 30 fps @ 1600x1200 (WDR Pro on)
Maximum Streams	3 video streams (Up to 8 configurable profiles)
S/N Ratio	61 dB
Dynamic Range	120 dB
Video Streaming	Adjustable resolution, quality and constant bit rate control, Smart Stream II
Image Settings	General settings video title and time stamp overlay, video orientation (flip, mirror, rotation), day /night settings Illuminators illuminators, anti-overexposure, Smart IR II Image settings white balance, image adjustment (brightness, contrast, saturation, sharpness, gamma curve), defog, 3DNR, EIS, scene mode (auto, deblur) Exposure BLC, HLC, exposure control (exposure level, iris adjustment, exposure time, gain control, iris mode), AE speed adjustment, WDR Focus zoom, focus Privacy mask Scheduled profile settings

Audio	
Audio Capability	Two-way audio (Full duplex)
Compression	G.711, G.726
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, secure boot, 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/SFTP, HTTP/HTTPS, ICMP, IGMPv 3, IPv 4, IPv 6, 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 *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

AI Analytics

Compute Capability	SoC with built-in hardware deep learning accelerator
Vision Object Analytics	AI-powered Short Range Facial Recognition
Application	Realtime facial recognition, DO trigger base on different POI.
Application available with license	Black and white list alarm, Person stay time info, Person search and tracking
AI-powered Image Enhancement	Smart IR III

Solution Integration

VADP Package	Stratocast, Trend Micro IoT Security (3-year free trial)
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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, shock detection, system boot
Event Action	Event notification via audio clip, camera link, digital output, email, HTTP, FTP/SFTP, NAS server, SD card File upload via email, HTTP, FTP/SFTP, NAS server, SD card

General

Connectors	RJ-45 cable connector f or 10/100 Mbps PoE network connection Audio line input Audio line output DC 12V power input/AC 24V power input Digital input*2 Digital output*1
LED Indicator	Sy stem power and status indicator
Power Input	AC 24V/DC 12V, IEEE 802.3at PoE Class 4 (Power Redundancy)
Power Consumption	DC12V: Max 23/18W (IR ON/OFF) Max Current:1.92A PoE Max: 22.5W/18W (IR ON/OFF) 42.5~57.0V Max Current: 0.53A~0.4A AC24V Max: 21W/16W (IR ON/OFF) Max Current: 1.4A
Dimensions	ø 155 x 103.2 mm
Weight	909 g
Certifications	EMC CE (EN 55032 Class A, EN 55035), FCC (FCC Part 15 Subpart B Class A), UKCA (BS EN 55032:2015+A11: 2020, BS EN 55035:2017+A11:2020, BS EN IEC 62368-1:2020+A11:2020), RCM (AS/NZS CISPR 32 Class A), VCCI (VCCI-CISPR 32 Class A), ICES-003 Issue 7 Saf ety UL (UL 62368-1), CB (IEC/EN 62368-1, IEC/EN 60950-22, IEC/EN 62471) Env ironment IK10 (IEC 62262), IP66/67 (IEC 60529), IA: BIS (IS 13252), BSMI (EMC: CNS 13438, Saf ety : CNS 14336-1)
Operating Temperature	Starting Temperature: -30°C ~ 60°C (14°F ~ 140°F) Working Temperature: -30°C ~ 60°C (-22°F ~ 140°F) (IR of f) -30°C ~ 50°C (-22°F ~ 122°F) (IR on)
Humidity	98% 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 11
Other Players	VLC: 1.1.11 or above

Included Accessories

Packing Contents	Quick installation guide, product labels, alignment sticker, L-shaped wrench, screw pack, waterproof accessory pack, sunshield, conduit bracket, I/O cable
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