level one®

GEMINI 12-MP Fisheye Network Camera

FCS-3901

H/W Version: 1

Key Features

- 1/1.7" Progressive Scan CMOS
- H.264+, H.264, MJPEG Video CODEC with Dual Stream Support
- Up to 12 Megapixel (4000x3072) resolution with 20FPS support
- Multiple Decoding mode designed for Wall-mount, Ceiling-mount, and Desk mode
- Automatic Distortion Compensation and Image Correction Decoding Algorithms
- Smart Analysis support Line Crossing detection, Intrusion detection, Heat Map statistics
- WDR, 3D DNR, BLC, 15M Built-in Infrared
- Built-in Micro SD/SDHC/SDXC card slot, up to 128 GB
- 802.3at PoE Class 4, DC12V

Technical Specification

CAMERA	
Image Sensor	1/1.7" Progressive CMOS
Minimum Illumination	• Color: 0.04 lux • Black and White: 0 lux (IR ON)
Shutter Speed	1/3 ~ 1/100,000 sec (Slow Shutter supported)
Lens	2.0mm, M12 Mount
Zoom	8x Digital Zoom
Angle of View	Wall Mount - 180°, Ceiling and Desk Mount - 360°
Day and Night	Automatic Day/Night Operation with IR Cut Filter (ICR)
Infrared	15M Infrared Illuminator Built-in
Dynamic Range	Wide Dynamic Range (WDR)

Fisheye Decoding	
Mount Type	Wall Mode, Ceiling Mode, Desk Mode
Decoding	Hardware and Software Decoding
Display Mode	• Fisheye • Fisheye + Digital PTZ • 180 Panorama • 360 Panorama • 360 Panorama + Digital PTZ • 4 Digital PTZ
SMART FEATURES	
Smart Features	Intrusion Detection, Line Crossing Detection, Heat Map
COMPRESSION	
Video Stream	2 Streaming Profile
Video CODEC	H.264, MJPEG
Video Bit Rate	256kbps ~ 16Mbps
Audio CODEC	G.711, G.722.1, G.726, MP2L2, PCM
Audio Bit Rate	G.711 – 64Kbps, G.722.1/726 – 16Kbps, MP2L2 – 32~160Kbps
IMAGE	
Max Resolution	4000 x 3072
Frame Rate	• 50Hz: 20fps (4000 × 3072), 25fps (3072 × 3072, 2560 × 2560) • 60Hz: 20fps (4000 × 3072), 24fps (3072 × 3072, 2560 × 2560)
Region of Interest	Up to 3 Zones
Image Enhancement	• Back Light Compensation (BLC) • 3D Noise Reduction (3DNR) • Adjustable Saturation, Brightness, Contrast, Sharpness
Day/Night Switch	Auto, Schedule, Alarm-Triggered
Picture Overlay	128 x 128 24-Bit Bitmap Picture format
GENERAL	
Storage	Built-in SD/SDHC card slot, up to 128 GB
Alarm	Motion Detection, Video Tampering Alarm, Network Disconnect Alarm, IP Address Conflict Alarm, Illegal Login, HDD Full, HDD Error
Misc Functions	One-key Reset, Anti-Flicker, Heartbeat, Password Protection, Privacy Mask, Watermark, IP Address Filter

Protocol	TCP/IP, UDP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv4, IPv6, Bonjour
Security	- User Login Authentication - IP Filtering - MAC Authentication
Standard	ONVIF (Profile S/G), ISAPI
ENVIRONMENTAL	
Interface	1 x RJ45 10/100M Ethernet interface 1 x Digital Input + 1 x Digital Output - Audio Line In, Audio Line Out - RS-485 - Reset Button
Power Supply	PoE IEEE802.3at Class 4 (15W Max), DC12V
Operating Temperature	-30°C to 60°C
Relative Humidity	Up to 90% non-condensing
Housing	Aluminum Alloy, IP66, IK10
Dimension	164.0×152.8×49.5 mm
REGULATORY APPROVALS	
Standards	- FCC - CE - uL - RoHS - Manufactured in ISO9001 and ISO14001-certified factory

Order Information

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