

CCTV IP / Professional IP cameras

MAMG1

Entry-level Professional IP Camera

H.265+ ECO Series

The ECO range is the entry level for IP cameras. It stands out for its good night-time performance and Matrix LED illumination system, as well as its characteristic robustness and reliability, which satisfy any standard installation. Efficient H.265+ encoding, which saves 80% in storage and bandwidth over H.264 codec. Power over the POE network cable greatly simplifies installation.

- 8 Megapixels Resolution
- 1/2.5" High Performance CMOS Sensor
- 2.8 mm Fixed Lens
- H.265+ High Efficiency Video Codec
- Smart IR LED Up to 30m
- Power over Ethernet (POE)
- IP67 Weatherproof and IK10 protection



Technical Specification

Image Sensor	1/2.5" Progressive Scan CMOS
Min. Illumination	Color: 0.028 Lux @ (F2.0, AGC ON), 0 Lux with IR
Shutter Speed	1/3 s to 1/100,000 s
Slow Shutter	Yes
Wide Dynamic Range	120dB
Day & Night	IR Cut Filter
Angle Adjustment	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°
Focus	Fixed
Lens Type	Fixed lens, 2.8/4/6 mm
FOV	2.8 mm, horizontal FOV: 102°, vertical FOV: 53°, diagonal FOV: 124°
Aperture	F2.0
Lens Mount	M12
Aperture Type	Fixed
IR Range	Up to 30 m
Wavelength	850nm
Max. Resolution	3840 × 2160
Main Stream	50Hz: 12.5 fps (3840 × 2160), 20fps (3072 × 1728), 25 fps (2560 × 1440, 1920 × 1080, 1280 × 720),60Hz: 15 fps (3840 × 2160), 20fps (3072 × 1728), 30 fps (2560 × 1440, 1920 × 1080, 1280 × 720)
Sub Stream	50Hz: 25fps (640 × 480, 640 × 360, 320 × 240),60Hz: 30fps (640 × 480, 640 × 360, 320 × 240)
Third Stream	50Hz: 25fps (1280 × 720, 640 × 360, 352 × 288),60Hz: 30fps (1280 × 720, 640 × 360, 352 × 240)
Video Compression	Main stream: H.265/H.264,Sub-stream: H.265/H.264/MJPEG,Third stream: H.265/H.264

Video Bit Rate	32 Kbps to 16 Mbps
H.264 Type	Main Profile/High Profile
H.265 Type	Main Profile
H.264+	Main stream supports
H.265+	Main stream supports
Scalable Video Coding (SVC)	H.264 and H.265 encoding support
Environment Noise Filtering	Yes
Audio Sampling Rate	8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz
Audio Compression	G722.1/G.711/G726/MP2L2/PCM/MP3

Audio Bit Rate	64Kbps(G.711)/16Kbps(G.722.1)/16Kbps(G.726)/32-192Kbps(MP2L2)/8Kbps-320Kbps(MP3)
Simultaneous Live View	Up to 6 channels
API	ONVIF (PROFILE S, PROFILE G, PROFILE T), ISAPI, SDK, Ehome
Protocols	TCP/IP, UDP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, UDP, Bonjour, SSL/TLS
User/Host	Up to 32 users,3 levels: Administrator, Operator and User
Security	Password protection, complicated password, HTTPS encryption, 802.1X authentication (EAP-TLS 1.2, EAP-LEAP, EAP-MD5), watermark, IP address filter, basic and digest authentication for HTTP/HTTPS, WSSE and digest authentication for ONVIF, TLS1.2
Network Storage	Support Micro SD/SDHC/SDXC card (128G), local storage and NAS (NFS,SMB/CIFS), ANR
Client	Safire Control Center, Safire Connect, Safire Central
Web Browser	Plug-in required live view: IE8+ Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Safari 11+ Local Service: Chrome 41.0+, Firefox 30.0+
Alarm Trigger	Motion detection, video tampering, network disconnected, IP address conflict, illegal login, HDD full, HDD error
Day/Night Switch	Day/Night/Auto/Schedule
Target Cropping	No

DNR	3D DNR
Image Enhancement	BLC/3D DNR/HLC
Image Settings	Saturation, brightness, contrast, sharpness, AGC, and white balance are adjustable by client software or web browser
Audio	No
Video Output	No
On-board Storage	No
Hardware Reset	Yes
Communication Interface	1 RJ45 10M/100M self-adaptive Ethernet port
Basic Event	Motion detection, video tampering alarm, exception (network disconnected, IP address conflict, illegal login, HDD full, HDD error)
Smart Event	Line crossing detection, intrusion detection, face detection
Face Detection	No
Linkage Method	Trigger recording: memory card, network storage, pre-record and post-record Trigger captured pictures uploading: FTP, HTTP, NAS, Email Trigger notification: HTTP, ISAPI, Email
Firmware Version	5.6.3
Web Client Language	32 languages English, Russian, Estonian, Bulgarian, Hungarian, Greek, German, Italian, Czech, Slovak, French, Polish, Dutch, Portuguese, Spanish, Romanian, Danish, Swedish, Norwegian, Finnish, Croatian, Slovenian, Serbian, Turkish, Korean, Traditional Chinese, Thai, Vietnamese, Japanese, Latvian, Lithuanian, Portuguese (Brazil)
General Function	Anti-flicker, three streams, heartbeat, mirror, privacy masks, password reset via e-mail, pixel counter, HTTP listening

Startup and Operating Conditions	-30 °C to +60 °C (-22 °F to +140 °F), Humidity 95% or less (non-condensing)
Power Supply	12 VDC ± 25%, Φ 5.5mm ,PoE(802.3af, class 3)
Power Consumption and Current	12 VDC, 0.6 A, max. 7 W; PoE: (802.3af, 36 V to 57 V), 0.3 A to 0.2 A, max. 8.5 W
Camera Dimension	Camera: Φ 127.3 × 95.9 mm (5" × 3. 8"),Package: 150 × 150 × 141 mm (5.9" × 5.9" × 5.6")
Camera Weight	Camera: Approx. 560 g (1.2 lb.) ;With package: Approx. 800 g (1.8 lb.)
Protection	IP67, IK10