

PRO **ECO**

8MP Smart Hybrid Light with Full-color QubeMind Fixed Turret Network Camera(Eco)

IPC-T38-IL(E)

  **Gemini**  **Full-Color**



- High quality imaging with 8MP resolution
- Smart hybrid light
- Live defender
- QubeMind
- 130 dB WDR 3 Streams
- IP67 protection
- F1.0 aperture

Specifications

Item	Parameter
Camera	
Image Sensor	1/2.8" Progressive Scan CMOS
Max. Resolution	3840*2160(8MP)
Min. Illumination	0.003 lux@F1.0 (Color, 30 IRE) 0.0003 lux@F1.0 (B/W, 30 IRE) 0 lux (illuminator on)
Shutter Time	1/3s to 1/100,000s
Day/Night	IR-cut filter with auto switch (ICR)
Wide Dynamic Range	130dB
Angle Adjustment	Pan: 0°to 360°, tilt: 0°to 90°, rotate: 0°to 360°
Lens	
Focal Length & FOV	2.8 mm: H: 100°, V: 55°, D: 116° 4 mm: H: 82°, V: 44°, D: 97°
Aperture Ratio	F1.0
Iris Control	Fixed
DORI	2.8mm, D: 74.7m, O: 30.1m, R: 14.9 m, I: 7.5m, 4mm: D:106.7m, O: 43m, R: 21 .3m, I: 10.7m
Illuminator	
Illuminator Number	IR(1), White Light(1)
Illumination Distance	IR up to 40m, warm light up to 40m
IR Wavelength	850nm
Smart Supplement Light	Yes

Specifications

Item	Parameter
Video	
Video Compression	H.265+/H.265/H.264+/H.264
Main Stream	3840 × 2160@(1-25/30 fps)
Sub Stream	720p (1280 × 720)@(1-25/30 fps)
Third Stream	704 × 576@(1-25 fps)/704 × 480@(1-30 fps)
Resolution	8M (3840 × 2160); 3M (2304 × 1296); 1080p (1920 × 1080); 720p (1280 × 720); D1 (704 × 576/704 × 480); CIF (352 × 288/352 × 240)
Video Bit Rate	32 Kbps - 8 Mbps
Image	
Backlight Compensation	BLC, HLC, WDR
White Balance	Auto; natural; street lamp; outdoor; manual; regional custom
Digital Noise Reduction	2D NR, 3D NR
Video Rotation	0°/90°/180°/270°
Privacy Masking	4 areas
OSD	YES
S/N Ratio	> 56 dB
Region of Interest (ROI)	8 areas
Audio	
Audio Compression	G.711a; G.711u; G.726; PCM
Audio Bit Rate	64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.726)

Specifications

Item	Parameter
Network	
Network Protocol	IPv4; IPv6; HTTP; DHCP; FTP; PPPOE; RTSP; ONVIF; DDNS; SNMP; UPNP; SSDP; Bonjour; 802.6X; QoS;
API	ONVIF (Profile S/Profile G/Profile T); SDK; API
User/Host	Up to 32 users 3 user levels: administrator, operator, and use
Security	Password protection, complicated password, HTTPS encryption, 802.1X authentication (EAP-TLS, EAP-LEAP, EAP-MD5), watermark, IP address filter, basic and digest authentication for HTTP/HTTPS, WSSE and digest authentication for Open Network Video Interface, RTP/RTSP over HTTPS, control timeout settings, security audit log, TLS 1.1/1.2/1.3, host authentication (MAC address)
Network Storage	FTP; SFTP; Micro SD card (support max. 256 GB)
Client	iOS; Android
Browser	IE11: 11.0.9600 Chrome57: Blink Firefox: Quantum 90 EDGE: edge126.0.2592.102 Safari 2023 version and above
Intelligence	
Smart Intrusion Prevention	SMD, intrusion, tripwire (the two functions support the classification and accurate detection of vehicle and human, bicycle)
Statistical Analysis	People counting, heatmap
Face Capture	Support
Event	
Basic Detection	Motion detection; video tampering; audio detection; scene change
General Function	SD card full; SD card error; Network disconnection; IP conflict; illegal access;
Interface	
Network	1 * RJ45 10M/100M Base-TX Ethernet
Audio I/O	1/1
Alarm I/O	1/1
Built-in Mic	Support
Built-in Speaker	Support

Specifications

Item	Parameter
Video Output	N/A
Reset Button	Support
Edge Storage	Micro SD/SDHC/SDXC slot Max. 256GB/NAS
General	
Linkage Method	Upload to FTP/memory card/NAS, notify surveillance center, trigger recording, trigger capture, send email
Camera Material	Front cover: metal, body: metal, bracket: metal
Camera Dimension	Ø85mm × 109.9mm (3.35" x 4.33")
Package Dimension	165*165*125mm (6.5" x 6.5" x 4.92")
Camera Weight	0.53kg (1.17lb)
With Package Weight	0.65kg (1.43lb)
Operating Temperature/Humidity	-30°C ~ 60°C (-22°F ~ 140°F), humidity: ≤95% RH (non-condensing)
Storage Temperature/Humidity	-40°C ~ 70°C (-40°F ~ 158°F), humidity: ≤95% RH (non-condensing)
Power Supply	12 VDC ± 25%, PoE: IEEE 802.3af,
Power Consumption	MAX: 10W
Power Interface	Basic: 1.6W(12 VDC); 2.1W(PoE) Max. (H.265+ intelligence on + WDR + illuminator on): 5.8 W (12 VDC); 6.9 W (PoE)
Surge Protection	2k
Approval	
EMC	CE-EMC FCC
Safety	CE-LVD
Environment	CE-RoHS
Protection	IP67

Dimensions

