

# ES-2345

4MP IR Fixed Turret Network Camera

**EYESONIC™**



## ES-2345



- 1/2.7" Progressive Scan CMOS
- 2688 × 1520 @ 25fps
- 1.68 mm ultra wide angle fixed lens
- 120dB WDR
- H.265, H.265+, H.264, H.264+
- Built-in micro SD/SDHC/SDXC card slot, up to 256 GB
- 3-Axis adjustment

### Camera

Image Sensor	1/2.7" Progressive Scan CMOS
Shutter Speed	1/3 s to 1/100,000 s
Min. Illumination	Color: 0.028 Lux @ (F2.0, AGC ON) B&W: 0.0028 Lux @ (F2.0, AGC ON), 0 Lux with IR
Slow Shutter	Yes
P/N	P/N
Wide Dynamic Range	130 dB Angle Adjustment Pan: 0° to 360°, tilt: 0° to 75°, rotate: 0° to 360°

### Lens

Lens Type	Fixed lens, 1.68 mm
Focal Length & FOV	1.68 mm, horizontal FOV: 180°, vertical FOV: 101°, diagonal FOV: 180°
Lens Mount	M12
Aperture	F2.0
Blue Glass Module	Blue glass module to reduce ghost phenomenon
Working Distance	2.8 mm: 2.5 m to ∞ 4 mm: 3.5 m to ∞

### Illuminator

IR Range	Up to 10 m
Wavelength	850 nm

### Video

Max. Resolution	2688 × 1520
Main Stream	50Hz: 25fps (2688 × 1520, 2304 × 1296, 1920 × 1080, 1280 × 720) 60Hz: 24fps (2688 × 1520), 30fps (2304 × 1296, 1920 × 1080, 1280 × 720)
Sub Stream	50Hz: 25fps (640 × 480, 640 × 360, 320 × 240) 60Hz: 30fps (640 × 480, 640 × 360, 320 × 240)
Video Compression	Main stream: H.265+/H.264+/H.265/H.264 Sub-stream: H.265/H.264/MJPEG
Video Bit Rate	32 Kbps to 16 Mbps
H.264 Type	Main Profile/High Profile
H.265 Type	Main Profile
Scalable Video Coding	H.264 and H.265 encoding support

### Smart Feature-Set

Smart Event	Line crossing detection, intrusion detection, unattended baggage detection, object removal detection, face detection, scene change detection
Basic Event	Motion detection, video tampering alarm, exception (network disconnected, IP address conflict, illegal login, HDD full, HDD error)
Linkage Method	Upload to FTP/NAS/memory card, notify surveillance center, send email, trigger recording, trigger capture
Region of Interest	1 fixed region for main stream and sub-stream

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### Network

Simultaneous Live View Up to 6 channels	
API	Open Network Video Interface (Profile S, Profile G), ISAPI, SDK
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, UDP, Bonjour, SSL/TLS
User/Host	Up to 32 users. 3 user 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	MicroSD/SDHC/SDXC card (256 GB) local storage, and NAS (NFS, SMB/CIFS), auto network replenishment (ANR)
Client	iVMS-4200, Hik-Connect, Hik-Central
Web Browser	Plug-in free live view: Chrome 45.0+, Firefox 52.0+ Local Service: Chrome 41.0+, Firefox 30.0+

### Image

Day/Night Switch	Day, Night, Auto, Schedule
Image Enhancement	BLC, HLC, 3D DNR
Image Settings	Saturation, brightness, contrast, sharpness, AGC and white balance adjustable by client software or web browser

### Interface

Ethernet Interface	1 RJ45 10M/100M self-adaptive Ethernet port
On-Board Storage	Built-in memory card slot, support microSD/SDHC/SDXC/TF card, up to 256 GB

### General

Power	12 VDC $\pm$ 25%, $\Phi$ 5.5 mm coaxial power plug; reverse polarity protection; PoE (802.3af, type 1, class 3)
Camera Material	Metal & Plastic
Camera Dimension	$\Phi$ 127.3 $\times$ 104.1 mm ( $\Phi$ 5" $\times$ 4.1")
Package Dimension	150 $\times$ 150 $\times$ 141 mm (5.9" $\times$ 5.9" $\times$ 5.6")
Camera Weight	Approx. 520 g (1.1 lb.)
With Package Weight	Approx. 700 g (1.5 lb.)
Storage Conditions	-10 $^{\circ}$ C to 40 $^{\circ}$ C (14 $^{\circ}$ F to 104 $^{\circ}$ F), humidity 95% or less (non-condensing)
Startup and Operating Conditions	-30 $^{\circ}$ C to 60 $^{\circ}$ C (-22 $^{\circ}$ F to 140 $^{\circ}$ F). Humidity 95% or less (non-condensing)
Linkage Method	Upload to FTP/memory card/NAS, notify surveillance center, trigger record, trigger capture, send email
Power Consumption and Current	12 VDC, 0.48 A, max. 5.8 W; PoE (802.3af, 36 V to 57 V), 0.19 A to 0.12 A, max. 6.8W
Power Interface	$\Phi$ 5.5 mm coaxial power plug
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 email, pixel counter
Reset	Reset via reset button on camera body, web browser and client software

### Dimension

