## **ES-2345**

**4MP IR Fixed Turret Network Camera** 

















- 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

### **ES-2345**

	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)
	175	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: $180^\circ$ , vertical FOV: $101^\circ$ , diagonal FOV: $180^\circ$
	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)
	1	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
	- 4 N K F-1	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
	<b>Smart Feature-Set</b>	7/////2////////////////////////////////
	Smart Event	Line crossing detection, intrusion detection, unattended baggage detection, object removal
	(1818/1818/1818)	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

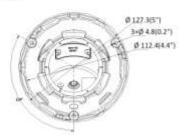
Network	
Simultaneous Live Vie	w Up to 6 channels
API	Open Network Video Interface (Profile S, Profile G), ISAPI, SDK
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, UDP, Bonjour, SSL/TLS
User/Host	Up to 32 users. 3 user levels: 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

# EYE SONIC<sup>™</sup>

#### General

	General	
	Power	12 VDC ± 25%, Φ 5.5 mm coaxial power plug; reverse
	1 2'-0'	polarity protection; PoE (802.3af, type 1, class 3)
	Camera Material	Metal & Plastic
	Camera Dimension	Φ 127.3 × 104.1 mm (Φ 5" × 4.1")
	Package Dimension	150 × 150 × 141 mm (5.9" × 5.9" × 5.6")
	Camera Weight	Approx. 520 g (1.1 lb.)
	With Package Weight	Approx. 700 g (1.5 lb.)
	Storage Conditions	-10 °C to 40 °C (14 °F to 104 °F), humidity 95% or less (non-condensing)
	Startup and Operating Conditions	-30 °C to 60 °C (-22 °F to 140 °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	Ø5.5 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





Unit: mm(inch)