

ES-2445

4MP IR Fixed Bullet Network Camera

EYESONIC™



- 1/2.7" Progressive Scan CMOS
- 2688 × 1520 @ 25fps
- 1.68 mm ultra wide
- 130dB WDR
- H.265+, H.265, H.264+, H.264
- Built-in micro SD/SDHC/SDXC card slot, up to 256 GB
- IP67

DORI

The DORI (detect, observe, recognize, identify) distance gives the general idea of the camera ability to distinguish persons or objects within its field of view.

DORI	Detect	Observe	Recognize	Identify
Distance	3.6 m	1.4 m	0.8 m	0.4 m

ES-2445

Camera

Image Sensor	1/2.7" Progressive Scan CMOS
Shutter Speed	1/3 s to 1/100,000 s
Min. Illumination	0.028 Lux @ (F2.0, AGC ON), 0 Lux with IR
Slow Shutter	Yes
Day & Night	ICR Cut
Wide Dynamic Range	130 dB
Angle Adjustment Pan	0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°

Lens

Lens Type	Fixed lens, 1.68 mm
Aperture	F2.0
FOV	Horizontal: 180°, vertical: 101°, diagonal: 180°
Lens Mount	M12

Illuminator

IR Range	20 m
Wavelength	850 nm
Smart Supplement Light	Yes

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
Bit Rate Control	CBR/VBR
Stream Type	Main stream, sub-stream
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
Linkage Method	Upload to FTP/NAS/memory card, notify surveillance center, send email, trigger alarm output, trigger recording, trigger capture. Trigger recording: memory card, network storage, pre-record and post-record. Trigger captured pictures uploading: FTP, SFTP, HTTP, NAS, Email. Trigger notification: HTTP, ISAPI, alarm output, Email
Region of Interest	1 fixed region for main stream and sub-stream

ES-2445

4MP IR Fixed Bullet Network Camera



Network

Simultaneous Live View	Up to 6 channels
API	ONVIF (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 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	micro SD/SDHC/SDXC (256 G) local storage, and NAS (NFS, SMB/CIFS), auto network replenishment (ANR)
Client	iVMS-4200, Hik-Connect, Hik-Central
Web Browser	Plug-in required live view: Chrome 45.0+, Firefox 52.0+ Plug-in free live view: Chrome 41.0+, Firefox 30.0+

Image

Day/Night Switch	Day, Night, Auto, Schedule
Image Enhancement	BLC, HLC, EIS, Lens distortion, 3D DNR
Image Settings	Saturation, brightness, contrast, sharpness, rotate mode, white balance, AGC
SNR	≥ 50 dB
Privacy Mask	4 regions of privacy mask

Interface

Ethernet Interface	1 RJ45 10M/100M self-adaptive Ethernet port
On-Board Storage	Built-in micro SD/SDHC/SDXC slot, up to 256 GB
Hardware Reset	Yes

General

Power	12 VDC ± 25%; PoE (802.3at, class 4)
Camera Material	Metal
Camera Dimension	Φ105 × 278 mm (Φ4.1" × 10.9")
Package Dimension	386 × 156 × 155 mm (15.20" × 6.14" × 6.10")
Camera Weight	570 g (1.26 lb.)
With Package Weight	760 g (1.68 lb.)
Storage Conditions	-30 °C to 60 °C (-22 °F to 140 °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, 0.6 A, max. 7.2W PoE: (802.3af, 36 V-57 V), 0.3 A to 0.2 A, max. 8.7W
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	Privacy mask, heartbeat, mirror, flash log, password reset via e-mail, pixel counter
Reset	Reset via reset button on camera body, web browser and client software

Dimension

