

ES-3442S

4 MP Smart AI Fixed Dome Network Camera

EYESONIC™



- High quality imaging with 4 MP resolution
- Clear imaging against strong backlight due to 120 dB WDR technology
- Efficient H.265+ compression technology
- Water and dust resistant (IP67) and vandal resistant (IK10)
- Focus on human and vehicle targets classification based on deep learning

ES-3442S

Camera

| | |
|--------------------|---|
| Image Sensor | 1/3" Progressive Scan CMOS |
| Min. Illumination | Color: 0.005 Lux @ (F1.6, AGC ON), 0 Lux with IR on |
| Shutter Speed | 1/3 s to 1/100,000 s |
| Slow Shutter | Yes |
| P/N | P/N |
| Wide Dynamic Range | 120 dB |
| Day & Night | ICR Cut |
| Angle Adjustment | Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355 |

Lens

| | |
|-----------------|--|
| Lens Type & FOV | 2.8 mm, horizontal FOV 103°, vertical FOV 55°, diagonal FOV 122° 4 mm, horizontal FOV 84°, vertical FOV 45°, diagonal FOV 100° |
|-----------------|--|

| | |
|------------|------|
| Aperture | F1.6 |
| Lens Mount | M12 |

DORI

| | |
|------|--|
| DORI | 2.8 mm: D: 67 m, O: 26 m, R: 13 m, I: 6 m 4 mm: D: 80 m, O: 31 m, R: 16 m, I: 8 m |
|------|--|

Illuminator

| | |
|---------------|------------|
| IR Range | Up to 30 m |
| IR Wavelength | 850 nm |

Video

| | |
|-----------------------------|--|
| Max. Resolution | 2688 × 1520 |
| Main Stream | 50 Hz: 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720) |
| Sub-Stream | 50 Hz: 25 fps (640 × 480, 640 × 360) 60 Hz: 30 fps (640 × 480, 640 × 360) |
| Third Stream | 50Hz: 10fps(1920×1080,1280×720,640×480,640×360) 60Hz: 10fps(1920×1080,1280×720,640×480,640×360) |
| Video Compression | Main stream: H.265/H.264/H.264+/H.265+ Sub-stream: H.265/H.264/MJPEG Third stream: H.265/H.264 |
| Video Bit Rate | 32 Kbps to 8 Mbps |
| H.264 Type | Baseline Profile/Main Profile/High Profile |
| H.265 Type | Main Profile |
| H.264+ | Main Stream supports |
| H.265+ | Main Stream supports |
| Bit Rate Control | CBR/VBR |
| Scalable Video Coding (SVC) | Yes |
| Region of Interest (ROI) | 1 fixed region for main stream and sub-stream |

Audio

| | |
|---------------------|---|
| Environment Noise | -S: Yes |
| Audio Sampling Rate | -S: 8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz |
| Audio Compression | -S:G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/MP3/AAC |
| Audio Bit Rate | -S: 64Kbps(G.711ulaw/G.711alaw)/16Kbps(G.722.1)/16Kbps(G.726)/16Kbps-64Kbps |
| Filtering | (AAC)/32-192Kbps(MP2L2)/8-320Kbps(MP3) |

ES-3442S

4 MP Smart AI Fixed Dome Network Camera



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, NTP, UPnP, SMTP, IGMP, 802.1X, QoS, IPv6, UDP, Bonjour, SSL/TLS, PPPoE |
| User/Host | Up to 32 users. 3 user levels: administrator, operator and user |
| Security | Password protection, complicated password, HTTPS encryption, IP address filter, Security Audit Log, basic and digest authentication for HTTP/HTTPS, TLS 1.1/1.2, WSSE and digest authentication for Open Network Video Interface |
| 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 required live view: IE 10, IE 11 Plug-in free live view : Chrome 57.0+, Firefox 52.0+ Local service: Chrome 57.0+, Firefox 52.0+ |

Image

| | |
|-------------------------|---|
| Day/Night Switch | Day, Night, Auto, Schedule |
| Image Enhancement | BLC, HLC, 3D DNR |
| Image Parameters Switch | Yes |
| Image Settings | Rotate, mirror, privacy mask, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser |

Interface

| | |
|--------------------|---|
| Audio | -S: 1 input (line in), two-core terminal block , max. input amplitude: 3.3 vpp, input impedance: 4.7 K Ω , interface type: non-equilibrium; 1 output (line out), two-core terminal block , max.output amplitude: 3.3 vpp, output impedance: 100 Ω , interface type: non-equilibrium, mono sound |
| Alarm | -S: 1 input, 1 output (max. 12 VDC, 30 mA) |
| On-Board Storage | Built-in micro SD, up to 256 GB |
| Reset Key | Yes |
| Ethernet Interface | 1 RJ45 10M/100M self-adaptive Ethernet port |

Event

| | |
|----------------|---|
| Basic Event | Motion detection (human and vehicle targets classification), video tampering alarm, exception |
| Face Detection | Yes |

Deep Learning Function

| | |
|----------------------|---|
| Perimeter Protection | Line crossing detection, intrusion detection Supports human and vehicle targets classification |
|----------------------|---|

General

| | |
|----------------------------------|---|
| Linkage Method | Upload to FTP/memory card/NAS, notify surveillance center, trigger record, trigger capture, Email |
| Language | 33 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), Ukrainian |
| General Function | Anti-flicker, heartbeat, password reset via e-mail, pixel counter |
| 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) |
| Power Supply | 12 VDC \pm 25%, reverse polarity protection PoE: 802.3af, Class 3 |
| Power Consumption and Current | 12 VDC, 0.4 A, max. 5 W PoE (802.3af, 36 V to 57 V), 0.2 A to 0.15 A, max. 6.5 W |
| Power Interface | \varnothing 5.5 mm coaxial power plug |
| Material | Aluminum alloy body Bubble: plastic |
| Screw Material | SUS304 |
| Dimension | \varnothing 110.8 \times 84.7 mm (\varnothing 4.4" \times 3.3") |
| Package Dimension | 134 \times 134 \times 108 mm (5.3" \times 5.3" \times 4.3") |
| Weight | Approx. 530 g (1.2 lb.) |
| With Package Weight | Approx. 720 g (1.6 lb.) Approval EMC |

Dimension

