

# ES-3243-SZV

4MP Intellisense IR Varifocal Dome Camera

# EYESONIC™

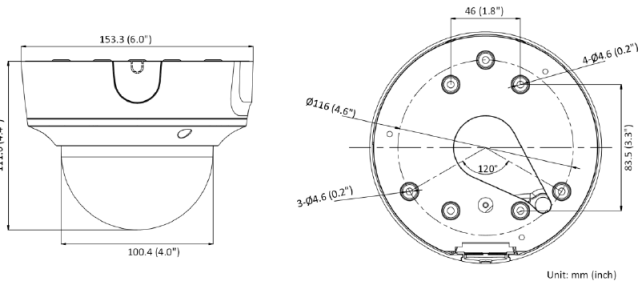
Model Number:

ES-3243-SZV



## Key Features

- High quality imaging with 4MP resolution
- Excellent low-light performance
- 120 dB True WDR - Clear imaging against strong back light
- False alarm reduction through human and vehicle target classification based on deep learning
- Water and dust resistant (IP67)
- Vandal resistant (IK10)
- 3D DNR technology delivers clean and sharp images
- Motorized lens



## Camera

Image Sensor	1/2.7" (4 MP) Progressive Scan CMOS
Min. Illumination	Color: 0.003 lux @ (F1.4, AGC ON)
Shutter Speed	1/3 s to 1/100,000 s
Slow Shutter	Supported
Wide Dynamic Range	120 dB
Day & Night	ICR Cut
Angle Adjustment	Pan: 0° to 355°; Tilt: 0° to 75°; Rotate: 0° to 355°
Slow Shutter	Supported
P/N	Supported
Power-off Memory	Supported

## Lens

Focal Length	2.8 mm to 12 mm motorized varifocal lens
Aperture	f/1.4
Focus	Auto
Type & FOV	Horizontal field of view: 108° to 30° Vertical field of view: 56° to 17° Diagonal field of view: 131° to 35°
Lens Mount	Ø14

## IR

IR Range	Up to 40 m (131 ft)
Wavelength	850 nm
Supplement Light	IR
Smart Supplement Light	Supported

## Image / Video

Max Resolution	2592 x 1944
Main Stream	50Hz: 20fps (2592 x 1944); 25fps (2688 x 1520, 2304 x 1296, 1920 x 1080, 1280 x 720) 60Hz: 20fps (2592 x 1944) 30fps (2688 x 1520, 2304 x 1296, 1920 x 1080, 1280 x 720)
Sub Stream	50Hz: 25fps (640 x 480, 640 x 360, 320 x 240) 60Hz: 30fps (640 x 480, 640 x 360, 320 x 240)
Third Stream	50Hz: 25fps (1280 x 720, 640 x 480, 640 x 360, 320 x 240) 60Hz: 30fps (1280 x 720, 640 x 480, 640 x 360, 320 x 240)
Video Compression	Main stream: H.265/H.264 Sub-stream: H.265/H.264/MJPEG Third stream: H.265/H.264
Video Bit Rate	32 kbps to 8 Mbps
Bit Rate Control	CBR/VBR
Scalable Video Coding	Yes
Region of Interest	Supported 1 fixed region for each stream

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## Image

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

## Audio

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

## Network

Simultaneous Live View	Up to 6 channels
API	ONVIF (PROFILE S, PROFILE G, PROFILE T), ISAPI, SDK
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, SFTP, DHCP, DNS, DDNS, RTP, RTSP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv4, IPv6, UDP, Bonjour, SSL/TLS
Smooth Streaming	Supported
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 1.2, WSSE and digest authentication for ONVIF
Network Storage	MicroSD/SDHC/SDXC card (256 GB) local storage, and NAS (NFS, SMB/CIFS), auto network replenishment (ANR) Together with high-end Hikvision memory card, memory card encryption and health detection are supported
Client	iVMS-4200, Hik-Connect, Hik-Central
Web Browser	Plug-in required live view: IE8+, Chrome 41.0-44, Firefox 30.0-51, Safari 8.0-11 Plug-in free live view: Chrome 57.0+, Firefox 52.0+

## Interface

Alarm	1 alarm input, 1 alarm output (max. 24 VAC/24 VDC @500 mA)
Audio	1 input (line in), two-core terminal block, max. input amplitude: 3.3 Vpp, input impedance: 4.7 K $\Omega$ , interface type: non-equilibrium; 1 output (line out), two-core terminal block, max. input amplitude: 3.3 Vpp, input impedance: 100 $\Omega$ , interface type: non-equilibrium
Communication	1 RJ45 10M/100M self-adaptive Ethernet port
Hardware Reset	Yes
On-board Storage	Built-in micro SD slot, up to 256 GB
Video Output	1Vp-p Composite Output (75 $\Omega$ /CVBS)

## Smart Features

Basic Event	Motion detection, video tampering alarm, exception (network disconnected, IP address conflict, illegal login, HDD full, HDD error), scene change detection
Premier Protection	Line crossing detection, intrusion detection, region
Region of Interest	entrance detection, region exiting detection
Face Capture	Yes

## General

General Function	Anti-flicker, heartbeat, mirror, privacy masks, flash log, password reset via e-mail, pixel counter
Software Reset	Yes
Linkage Method	Upload to NAS/memory card, notify surveillance center, trigger record, trigger capture, audible warning
Web Client 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
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	12 VDC, 0.9 A, max. 10.8 W
Current	PoE: (802.3af, 36 V to 57 V), 0.36 A to 0.23 A, max. 12.9
Camera Dimension	$\varnothing$ 153.5 $\times$ 111.6 mm (6.0" $\times$ 4.4")
Package Dimension	244 $\times$ 174 $\times$ 173 mm (9.6" $\times$ 6.9" $\times$ 6.8")
Camera Weight	Approx. 880 g (1.9 lb.)
Material	Metal