

ES-3042V2

4MP True WDR Intellisense DarkGuard Turret Camera

EYESONIC™



Key Features

- Max. 2688 × 1520 @30fps
- H.265+, H.264+
- 130dB WDR
- 0.0005 Lux @ (F1.0, AGC ON), 0 Lux with Light
- 12 VDC & PoE (802.3af, class 3)
- Full time color
- Support on-board storage, up to 256 GB
- IP67
- BLC/3D DNR/HLC/ROI
- Intellisense Human and Vehicle detection

Model Number

ES-3042V2

Camera

Image Sensor	1/1.8" Progressive Scan CMOS
Min. Illumination	0.0005 Lux @ (F1.0, AGC ON), 0 Lux with Light
Shutter Time	1/3 s to 1/100,000 s
Slow Shutter	Supported
Adjustment Range	Pan: 0° to 360°, tilt: 0° to 75°, rotate: 0° to 360°
Wide Dynamic Range	130 dB

Lens

Depth of Focus	2.5 m to ∞
Type & FOV	2.8 mm - horizontal FOV: 109°, vertical FOV: 55°, diagonal FOV: 138°
Aperture	F1.0
Lens Mount	M16

DORI

DORI	D: 65 m, O: 21 m, R: 13 m, I: 6 m
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Illuminator

White Light Range	30 m
Smart Supplement Light	Yes

Video

Max. Image Resolution	2688 × 1520
Main Stream	50Hz: 25fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60Hz: 30fps (2688 × 1520, 1920 × 1080, 1280 × 720)
Sub Stream	50Hz: 25fps (640 × 480, 640 × 360, 320 × 240) 60Hz: 30fps (640 × 480, 640 × 360, 320 × 240)
Third Stream	50Hz: 25fps (1280 × 720, 640 × 480, 640 × 360, 320 × 240) 60Hz: 30fps (1280 × 720, 640 × 480, 640 × 360, 320 × 240)
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 supported
H.265+	Main Stream supported
Bit Rate Control	CBR/VBR
Scalable Video Coding	Yes
Region of Interest (ROI)	1 fixed region for each

Intelligent (Deep Learning Algorithm)

Face Capture	Yes
Premier Protection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection

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Smart Feature-Set

Basic Event Motion detection, video tampering alarm, exception (network disconnected, IP address conflict, illegal login, HDD full, HDD error), scene change detection

Network

Simultaneous Live View API Up to 6 channels
ONVIF (PROFILE S, PROFILE G, PROFILE T), 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 1.2, 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)

Client Guarding Expert, Guarding Vision

Web Browser Plug-in required live view: IE 8+, Chrome 41.0-44, Firefox 30.0-51, Safari 8.0-11
Plug-in free live view: 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 mode, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser

Interface

On-board Storage Built-in micro SD/SDHC/SDXC slot, up to 256 GB

Hardware Reset Yes

Communication Interface 1 RJ45 10M/100M self-adaptive Ethernet port

General

Linkage Method Upload to NAS/memory card, notify surveillance center, trigger record, trigger capture

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

General Function Anti-flicker, heartbeat, mirror, privacy masks, flash log, password reset via e-mail, pixel counter

Software Reset Yes

Storage Conditions -30 °C to +60 °C (-22 °F to +140 °F), Humidity 95% or less (non-condensing)

Operating Conditions -30 °C to +60 °C (-22 °F to +140 °F), Humidity 95% or less (non-condensing)

Power Supply 12 VDC \pm 25%, 5.5 mm coaxial power plug PoE (802.3af, class 3)

Power Consumption 12 VDC, 0.5 A, max. 6.6W
PoE: (802.3af, 36V to 57V), 0.22A to 0.13A, max. 7.6W

Power Interface \varnothing 5.5 mm coaxial power plug

Material Aluminum alloy body, except for trim ring

Screw Material SUS304

Camera Dimensions \varnothing 138.3 \times 125.2 mm (\varnothing 5.4" \times 4.9")

Package Dimensions 170 \times 170 \times 150 mm (7" \times 7" \times 5.9")

Camera Weight Approx. 820 g (1.8 lb.)

With Package Weight Approx. 1137 g (2.5 lb.)

Approval

Class Class B

EMC FCC SDoC (47 CFR Part 15, Subpart B); CE-EMC (EN 55032: 2015, EN 61000-3-2: 2014, EN 61000-3-3: 2013, EN 50130-4: 2011 +A1: 2014); RCM (AS/NZS CISPR 32: 2015); IC VoC (ICES-003: Issue 6, 2016); KC (KN 32: 2015, KN 35: 2015)

Safety UL (UL 60950-1); CB (IEC 60950-1:2005 + Am 1:2009 + Am 2:2013, IEC 62368-1:2014); CE-LVD (EN 60950-1:2005 + Am 1:2009 + Am 2:2013, IEC 62368-1:2014); BIS (IS 13252(Part 1):2010+A1:2013+A2:2015); LOA (IEC/EN 60950-1)

Environment CE-RoHS (2011/65/EU); WEEE (2012/19/EU); Reach (Regulation (EC) No 1907/2006)

Protection Ingress protection: IP67 (IEC 60529-2013)

