



- Varifocal 2.7-12mm Wide Horizontal FOV
- 30 fps @ 5 MP Crystal Clear Resolution
- Smart IR and WDR for harsh environments
- Electronic image stabilization
- Multi Compression Support H.264 and H.265
- Signed firmware and secure boot

EVT-52712-BIV

5MP SMART-IR BULLET
NETWORK CAMERA



Human/Vehicle
Detection



Intelligent
Analysis



True WDR



SD Card
slot



Audio In/out



IP67



Smart IR



Alarm In/out

EVT-52712-BIV 5MP SMART-IR BULLET NETWORK CAMERA

Camera

Image sensor	1/2.7" progressive scan RGB CMOS
Lens	IR corrected, P-Iris, Varifocal 2.7–12 mm, F1.2 Horizontal field of view: 105° –28° Vertical field of view: 67° –28°
Night-Vision	Automatically removable infrared-cut filter
Minimum illumination	5 MP 25/30 fps with Forensic WDR and Lightfinder: Color: 0.13 lux, at 50 IRE F1.2 B/W: 0.03 lux, at 50 IRE F1.2 0 lux with Smart-IR illumination
Shutter speed	WDR: 1/33500 s to 1/5 s No WDR: 1/50000 s to 1/5 s

System

Memory	1 GB RAM, 512 MB Flash
Compute capabilities	Machine learning processing unit (MLPU)

Video

Video	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles
compression	H.265 (MPEG-H Part 2/HEVC) Motion JPEG Controllable frame rate and bandwidth
Resolution	2592x1944 (5 MP) to 160x90 2688x1512 (4 MP) to 160x90 1920x1080 (HDTV 1080p) to 160x90 1280x720 (HDTV 720p) to 160x90
Frame rate	Capture mode 5 MP: 25/30 fps (50/60 Hz) Capture mode 4 MP: 25/30 fps (50/60 Hz) Capture mode HDTV 720p: 180 fps
Video streaming	Multiple, individually configurable streams in H.264, H.265, and Motion JPEG Universal Zipstream technology in H.264 and H.265 Controllable frame rate and bandwidth VBR/ABR/MBR H.264/H.265 Low latency mode Video streaming indicator
Multi-view streaming	Up to 8 individually cropped out view areas
Image settings	Saturation, contrast, brightness, sharpness, Forensic WDR: Up to 120 dB depending on scene, white balance, day/night threshold, exposure mode, exposure zones, local contrast, tone mapping, compression, orientation: auto, 0°, 90°, 180°, 270° including Corridor Format, mirroring of images, dynamic text and image overlay, privacy masks, defogging, electronic image stabilization, barrel distortion correction, scene profiles: forensic, vivid, traffic overview
Pan/Tilt/Zoom	Digital PTZ Uploadable PTZ driver (Pelco D pre-installed)

System Integration

Application Programming Interface	Open API for software integration, including VAPIX® and EVT Camera Application Platform, specifications at www.eaglevisiontech.com EVT Video Hosting System (VHS) with One-Click Connection One-click cloud connection ONVIF® Profile G, ONVIF® Profile M, ONVIF® Profile S and ONVIF® Profile T, specification at onvif.org
Onscreen controls	Electronic image stabilization Day/night shift Defogging Wide dynamic range
Event triggers	Analytics, shock detection, open casing, edge storage events, supervised external input, audio level, time scheduled MQTT subscribe
Event actions	File upload: FTP, SFTP, HTTP, HTTPS, network share and email Notification: email, HTTP, HTTPS and TCP External output activation Video recording to edge storage, Play audio clip Pre- and post-alarm video buffering PTZ preset, Guard tour, Overlay text Day/Night switching, Status LED activation MQTT publish Send SNMP trap
Built-in installation aids	Focus assistant, pixel counter, remote back focus, autorotation, remote focus and zoom and with optional i-CS lens.

Analytics

Object Analytics	Object classes: humans, vehicles Trigger conditions: line crossing, object in area, time in area Up to 10 scenarios Metadata visualized with trajectories and color-coded bounding boxes Polygon include/exclude areas Perspective configuration ONVIF Motion Alarm event
Metadata	Object data: Classes: humans, faces, vehicles, license plates Confidence, position
Applications	Included Object Analytics, Video Motion Detection, Motion Guard, Fence Guard, Loitering Guard, active tampering alarm, audio detection Supported Live Privacy Shield, Perimeter Defender Support for Camera Application Platform enabling installation of third-party applications,

Cyber Security

Edge security	Software: Signed firmware, brute force delay protection, digest authentication, password protection, AES-XTS-Plain64 256bit SD card encryption Hardware: Secure boot
Network security	IEEE 802.1X (EAP-TLS)a, HTTPS/HSTSa, TLS v1.2/v1.3a, Network Time Security (NTS), X.509 Certificate PKI, IP address filtering

Audio

Audio streaming Two-way, full duplex

Audio encoding AAC LC 8/16/32/48 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz,
Opus 8/16/48 kHz, LPCM 8/16/32/48 kHz
Configurable bit rate

Audio input/output External microphone input, line input, digital input with ring power, line output, automatic gain control

Network

Security IP address filtering, HTTPSa encryption, IEEE 802.1X (EAP-TLS)a
network access control, user access log, centralized certificate management

Network protocols IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTPSa, HTTP/2, TLSa,
QoS Layer 3 DiffServ, FTP, CIFS/SMB, SMTP, mDNS (Bonjour),
UPnP™, SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, NTS, RTSP, RTP, SFTP, SRTP/RTSPS, TCP, UDP, IGMP, RTCP, ICMP, DHCPv4/v6, ARP, SSH, LLDP, CDP, MQTT v3.1.1, Syslog, Link-Local address (ZeroConf)

General

Casing IP66-, IP67- and NEMA 4X-rated, IK10 impact-resistant polymer enclosure with aluminium base and intrusion alarm switch
Weathershield with black anti-glare coating
Color: White NCS S 1002-B

Power 12-28 V DC, max 19.1 W, typical 10.5 W
Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 2 Class 4,
max 20.4 W, typical 11.1 W
With disabled IR: Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 3, max 12.95 W, typical 6.7 W
Power redundancy

Languages English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese

Warranty 3-years

Connectors RJ45 10BASE-T/100BASE-TX/1000BASE-T
I/O: 6-pin 2.5 mm terminal block, for 2 supervised alarm inputs and 2 outputs
RS485/RS422, 2 pcs, 2 pos, full duplex, terminal block
DC input, terminal block
3.5 mm mic/line in, 3.5 mm line out
i-CS connector (compatible with P-Iris and DC-iris)

IR illumination Smart-IR with power-efficient, long-life 850 nm IR LEDs
Range 50 m (164 ft) or more, depending on the scene

Storage Support for microSD/microSDHC/microSDXC card
Support for SD card encryption
Support for recording to network-attached storage (NAS)

Operating conditions -40 ° C to 60 ° C (-40 ° F to 140 ° F)
Maximum temperature according to NEMA TS 2 (2.2.7): 74 ° C (165 ° F)
Humidity 10-100% RH (condensing)
Wind load (sustained): 55 m/s (123 mph)

Storage conditions -40 ° C to 65 ° C (-40 ° F to 149 ° F)
Humidity 5-95% RH (non-condensing)

Approvals **EMC**
EN 55032 Class A, EN 50121-4, IEC 62236-4, EN 61000-3-2,
EN 61000-3-3, EN 55024, EN 61000-6-1, EN 61000-6-2,
FCC Part 15 Subpart B Class A, ICES-003 Class A, VCCI Class A,
RCM AS/NZS CISPR 32 Class A, KCC KN32 Class A, KN35

Safety
IEC/EN/UL 62368-1, CAN/CSA C22.2 No. 62368-1,
IEC/EN/UL 60950-22, CAN/CSA-C22.2 No. 60950-22,
IEC 62471,
IS 13252

Environment
IEC/EN 60529 IP66/IP67, NEMA 250 Type 4X,
NEMA TS 2 (2.2.7-2.2.9), IEC 60068-2-1, IEC 60068-2-2,
IEC 60068-2-6, IEC 60068-2-14, IEC 60068-2-27,
IEC 60068-2-78, IEC/EN 62262 IK10

Network
NIST SP500-267

Dimensions 404 x 159 x 168 mm (15.9 x 6.3 x 6.6 in)

Weight 2.4 kg (5.3 lb)

Included accessories Installation guide, Windows® decoder 1-user license, wall mount bracket, sunshield, connector kit
IK10 tool

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