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EVT-51240-E-LPR 5MP EDGE ALPR BULLET NETWORK CAMERA

Camera

Image sensor	1/1.8" progressive scan RGB CMOS
Lens	Motorized, P-Iris, Varifocal 12–40 mm, F1.8 Horizontal field of view: 11° –33° Vertical field of view: 8° –25°
Night-Vision	Automatically removable infrared-cut filter
Minimum illumination	5 MP 25/30 fps with Forensic WDR and Lightfinder: Color: 0.01 lux, at 50 IRE F1.8 B/W: 0.0005 lux, at 50 IRE F1.8 0 lux with Smart-IR illumination – Up to 60m Distance
Shutter speed	WDR: 1/7 s to 1/5 s No WDR: 1/20000 s to 1/5 s

LPR

Vehicle Speed	0–200km/h or 0-124 mile/h *The best testing result is under sufficient lighting condition
Compute capabilities	Machine learning processing unit (MLPU)
License Plate CaptureRange	2m–18m (6.5 –59ft)

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
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Pan/Tilt/Zoom	Digital PTZ Uploadable PTZ driver (Pelco D pre-installed)
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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
External Illuminator	150m (492ft) (OPTIONAL MODEL: EVT-150-EXTR)
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

LPR Mode Image Setting

Max Car Speed (km/h)	0-200 km
Max Sens Up Gain	0-512 level
Ext. Lighting Control	ON/ OFF
Two Value Converter	ON/ OFF, Threshold: 1-255 level
Defog	0-255 level

SmartCatch™ SoC

LPR mode - High contrast image - Two value converter - Support reflective car plate - Light sensor/ IR LED/ Car Speed adjustable Overview mode - Support reflective/ non-reflective car plate - 5MP high resolution capture multi-lanes - Light sensor/ IR LED/ Car Speed adjustable - Smart Profile Setting: City Surveillance, Highway, Toll station, Parking Lot

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

Dimensions	404 x 159 x 168 mm (15.9 x 6.3 x 6.6 in)
Weight	3 kg (W/O External Illuminator), 3.53 kg (With Illuminator)
Included accessories	Installation guide, Windows® decoder 1-user license, wall mount bracket, sunshield, connector kit, IK10 tool

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

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 60 m (394 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)
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

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