



- 2 MP Long-Range IR PTZ Camera
- Advanced Video Analytics
- Electronic Image Stabilization
- 36X Optical Zoom, 12X Digital Zoom
- Multi Compression Support H.264 and H.265

EVT-236X-PL

2MP 36X Laser-IR PTZ
NETWORK CAMERA



EVT-236X-PL 2MP 36X LASER-IR PTZ NETWORK CAMERA

Camera

Image sensor	1/3" progressive scan CMOS
Lens	Focal length: 6.91 – 214.64 mm, F1.36 – F4.6 Horizontal field of view: 63.8° – 2.2° Vertical field of view: 37° – 1.3° Autofocus, P-iris
Night-Vision	Automatically removable infrared-cut filter
Minimum illumination	2 MP 60/50 fps with all resolutions: Color: 0.08 lux at 50 IRE F1.36 B/W: 0.008 lux at 50 IRE F1.36, 0 lux with IR illumination on
Shutter speed	1/111000 s to 1/2 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	1920x1080 HDTV 1080p to 320x180
Frame rate	Up to 60/50 fps (60/50 Hz) in all resolutions
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
Image settings	Compression, color, brightness, sharpness, white balance, exposure control, exposure zones, image freeze on PTZ, scene profiles, rotation, electronic image stabilization (EIS)a, defogging, contrast, local contrast, autofocus, Forensic WDR: Up to 120 dB depending on scene, 32 individual polygon privacy masks including mosaic and chameleon privacy masks

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)

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
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Event conditions

Analytics, edge storage events, virtual inputs through API
Detectors: day/night mode, live stream accessed, shock detection
Hardware: fan, network, temperature
Input Signal: virtual inputs, manual trigger
MQTT subscribe
PTZ: autotracking, error, moving, preset reached, ready
Storage: disruption, recording
System: system ready
Time: use schedule

Event actions

Record video: SD card and network share
MQTT publish
Upload of images or video clips: FTP, SFTP, HTTP, HTTPS, network share and email
Pre- and post-alarm video or image buffering for recording or upload Notification: email, HTTP, HTTPS, and TCP
PTZ: PTZ preset, start/stop guard tour, autotracking
Overlay text, day/night mode

Built-in installation aids

Pixel counter
Automatic orientation

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

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, Edge Vault with device ID, signed video, secure keystore (CC EAL4+, FIPS 140-2 level 2 certified hardware protection of cryptographic operations and keys)

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

General

Casing	IP66-, IP68-, NEMA 4X- and IK10-rated aluminum casing Color: urban grey NCS S 5502-B Wiper included (silicone wiper blade)
Power	High PoE 95 W midspan 1-port: 100–240 V AC, max 1.35 A IEEE 802.3bt Type 4 Class 8 Camera consumption: typical 25 W, max 71 W
Connectors	RJ45 10BASE-T/100BASE-TX/1000BASE-T PoE

IR illumination	Optimized IR with power-efficient, long-life 850 nm IR LEDs Range of reach 400 m (1300 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)
Included accessories	Installation Guide, Windows® decoder 1-user license, IK10 bumper, High PoE Midspan 1-port, RJ45 connector push pull plug
Languages	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese

Approvals
Dimensions
Weight

EMC
EN 55032 Class A, EN 50121-4, EN 61000-3-2, EN 61000-3-3, EN 55035, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class A, ICES 3(A)/NMB-3(B), VCCI Class A, RCM AS/NZS CISPR 32 Class A, KS C 9832 Class A, KS C 9835

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

Environment
IEC/EN 60529 IP66/IP68, NEMA 250 Type 4X, NEMA TS 2 (2.2.7-2.2.9), IEC/EN 62262 IK10, MIL-STD-810G (Method 500.5, 501.5, 502.5, 503.5, 505.5, 506.5, 507.5, 509.5, 510.5, 521.3), IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6, IEC 60068-2-14, IEC 60068-2-27, IEC 60068-2-78

Network
NIST SP500-267

Midspan: EN 60950-1, GS, UL, cUL, CE, FCC, VCCI, CB

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