IE AI

- **5 MP Long-Range IR PTZ Camera**
- **Industrial Edge Artificial Intelligence (IEAI by EVT) Technology**
- **Auto Tracking, Auto Zoom and AI powered detection and analytics**
- **150m Smart IR Night Vision for uniform brightness in low light**
- **Electronic Image Stabilization**
- **33X Optical Zoom, 12X Digital Zoom**
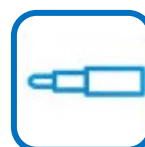- **Multi Compression H264/H264+/H265/H265+**

NDAA COMPLIANT

Kg

IK10 Impact Rating   **IP67** Ingress Protection Rating
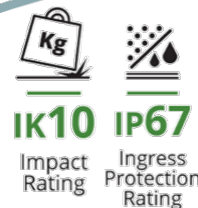
PoE+ — PoE Plus

Smart IR

Mobile

Intelligent

EVT-533X-ITP-AI

5MP 33X AI TRACKING AUTO-ZOOM
PTZ NETWORK CAMERA

H.265+ — H.265+

Audio

Human/V
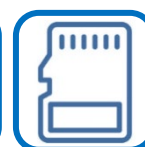
SD Card

EVT-533X-ITP-AI 5MP 33X SMART-IR PTZ NETWORK CAMERA

Camera

Image sensor	1/2.7 "progressive scan CMOS
Lens	Focal length: 4.3 – 141.9mm, F1.6 – F4.3 Horizontal field of view: 55° (W) – 2.3° (T) Vertical field of view: 41.6° (W) – 1.7° (T) Autofocus, P-iris
Night-Vision	Automatically removable infrared-cut filter
Minimum illumination	**Color:** 0.003 Lux at F1.36, AGC ON **B/W:** 0.05 Lux, 0 Lux with IR
Shutter speed	1/5s to 1/20000s

System

Memory	Built-in memory card slot, supports microSD/SDHC/SDXC up to 256GB
Compute capabilities	Machine learning processing unit (MLPU)

Video-Audio

Zoom	33x optical
compression	Video: H.265+ / H.265 / H.264+ / H.264 / MJPEG Audio: G.711a / G.711u
Resolution	2592(H)x1944(V)
Video bitrate	8 kbps to 8192 kbps
Video streaming	Main Stream: 50 Hz, 20fps (2592x1944), 25fps (2592x1520 / 2048x1536 / 2304x1296 / 1920x1080 / 1280x960 / 1280x720), 60 Hz, 20fps (2592x1944), 30fps (2592x1520 / 2048x1536 / 2304x1296 / 1920x1080 / 1280x960 / 1280x720),
Image settings	Pan Speed: 0.6° to 200° /S Configurable, Tilt Speed: 0.6° to 90° /S, Presets 255 profiles, rotation, electronic image stabilization (EIS) digital defogging, 360° Pan Movement Range, -10° to 90° (Auto Flip) Tilt Movement Range contrast, local contrast, autofocus, Forensic WDR: Up to 120 dB depending on scene, 4 individual 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*

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: auto-tracking, 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, auto-tracking 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,
IEAI-Tech by EVT	**Industrial Edge Artificial Intelligence Technology developed by EVT** Six Industrial Advantages of Applying IEAI-Tech by EVT at the Edge • Real-time Analytics and Decision-making • High-speed processing • Improved Data Security • Scalability • Decentralized processing, enhancing system reliability by reducing single points of failure • Reduced Bandwidth Usage

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	IP67, IK10-rated metal casing Wiper included (silicone wiper blade)
Power	DC 12V / PoE+ Camera consumption: max 25.6 W
Connectors	RJ45 10BASE-T/100BASE-TX self-adaptive, PoE+, Alarm-in, Alarm-out, Audio-in, Audio-out
IR illumination	Optimized IR with power-efficient, long-life 850 nm IR LEDs Range of reach 150 m (492 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	-30°C to 65°C (-22°F to 149°F) Maximum temperature according to NEMA TS 2 (2.2.7): 74°C (165°F) Humidity 90% 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

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
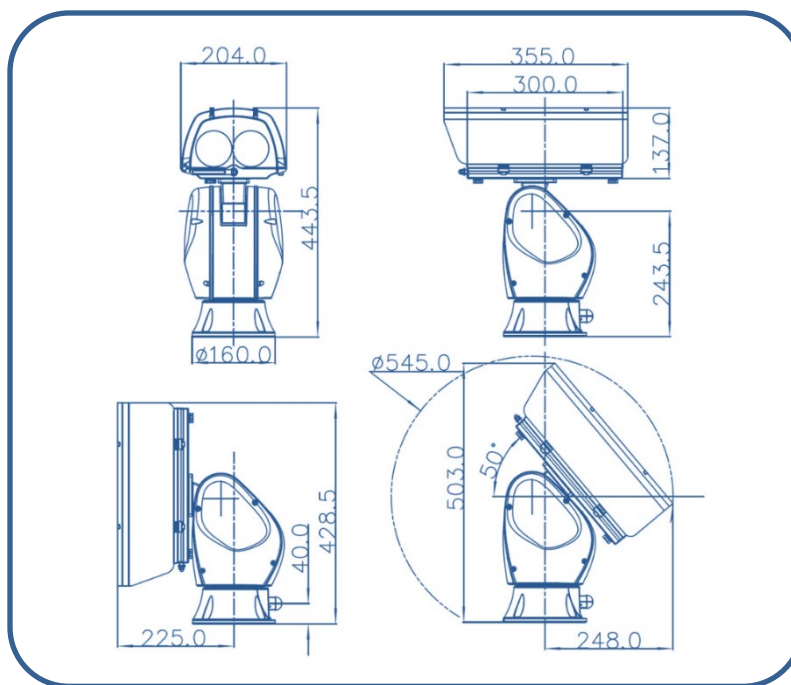
Environment

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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