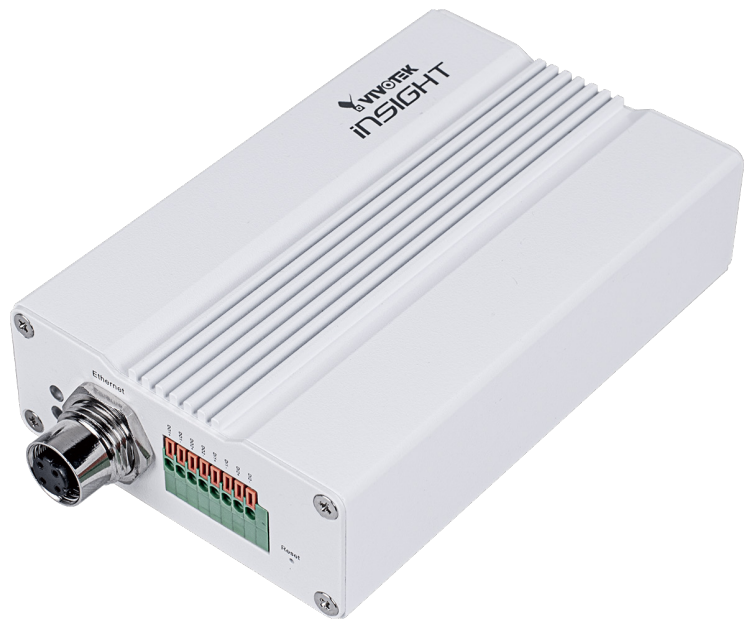


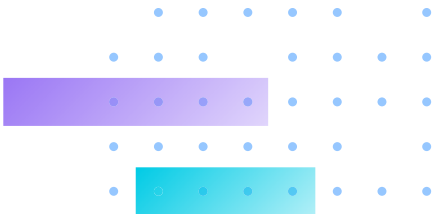
IE9111-O (M12)

AI-Box

Edge AI Device • Driven by OSSA • Azena OS • VCA • EN50155

- Powered by Qualcomm QCS605 SoC with Built-in AI Engine
- Powerful Computing for Video Processing and Machine Learning
- Driven by OSSA, Running on Azena OS (based on Android Open Source Project)
- Supports a Variety of VCA Solutions through Azena Apps
- Enables Any Type of Network Camera to Act as AIoT Device
- M12 Connector for PoE Connection
- Digital Input*2, Digital Output *2
- EN50155 Compliance for Professional Mobile Surveillance





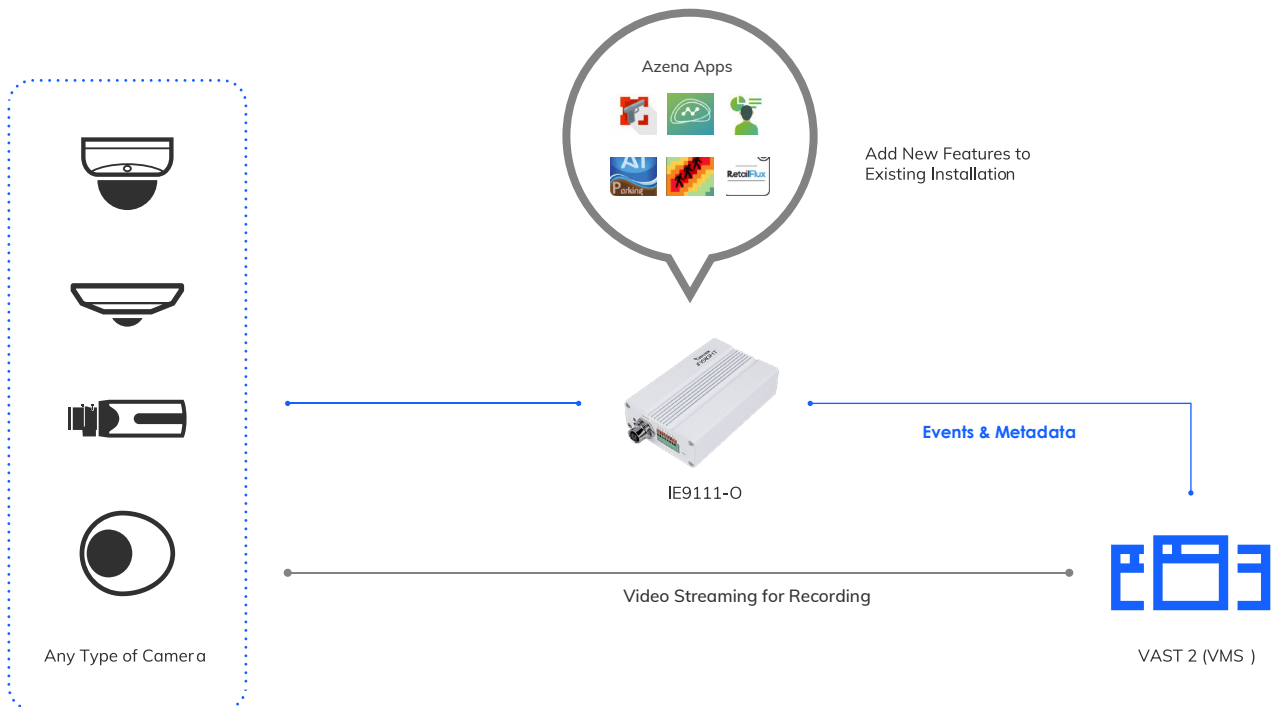
Overview

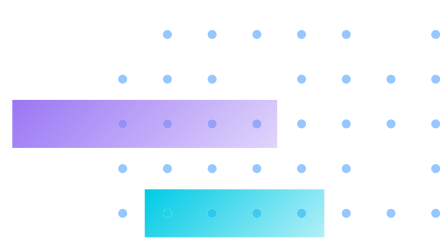
VIVOTEK's IE9111-O or "AI-BOX" is an edge computing device that employs the Qualcomm QCS605 chip. It is running on Azena OS, which is an operating system based on the Android Open Source Project. It can integrate network cameras through the RTSP protocol to obtain images for analysis and calculation for AI-related applications. With AI-BOX, user can upgrade their existing surveillance devices into an AIoT intelligent system.

Since IE9111-O is a Driven by OSSA device, user can download and install Apps on IE9111-O via the Azena App Store, and empowers network cameras with various intelligent video content analysis applications such as facial recognition, license plate recognition, and behavior detection. User can install and operate multiple Apps on IE9111-O at once for more versatile, intelligent, and effective applications.

The IE9111-O is equipped with Octa-Core SoC based on the Qualcomm Vision Intelligence Platform, AI technology, and the neural processing engine of the Adreno 615 GPU and Hexagon DSP. It supports hardware acceleration for deep learning, powerful visual computing and edge computing performance that can optimize AI image processing capabilities. Moreover, the device comes with the choices of either RJ-45 or M12 connectors. The M12 model features the EN50155 safety certificate and can thus be used in transportation scenarios.

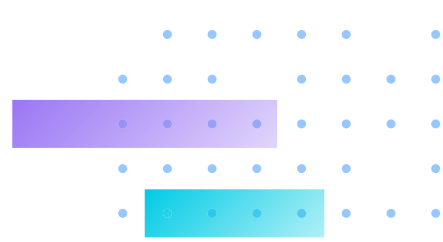
AI-Box Solution





Technical Specifications

| | |
|-----------------------------|---|
| Model | IE9111-O (M12) |
| System Information | |
| SoC | Qualcomm QCS605 Kryo™ 300 CPU, Octa-core CPU (2x2.5GHz, 6x1.7GHz) |
| GPU | Qualcomm® Adreno™ 615 GPU API Support: OpenGL® ES 3.2, OpenCL |
| AI Engine | NPU: Qualcomm® Neural Processing SDK, ONNX, TensorFlow, Android NN, Caffe, 2.1 TOPS@1w, Caffe2 AIE DSP: Qualcomm® Hexagon™ 685 DSP AIE GPU: Qualcomm® Adreno™ 615 GPU |
| Decoding | H.264/H.265: 30 fps @ 3840 x 2160 (4K) |
| Flash | 16 GB |
| RAM | 4 GB |
| OS | Azena OS – Android 8.1 |
| Channel | 1-CH/RTSP Streaming |
| Network | |
| Protocols | DHCP, DNS, HTTP, HTTPS, IPv4, IPv6, RTSP/RTP/RTCP, NTP, TCP/IP |
| Interface | 10 Base-T/100 Base-TX Ethernet (M12) |
| Solution Integration | |
| VCA | Supported by Azena Apps |
| Embedded App | iNSIGHT Event Adapter |
| Event Protocol | MQTT, REST, HTTP GET/POST, ONVIF Event/Metadata |
| General | |
| Connectors | M12 cable connector for 10/100 Mbps Network/PoE connection*1 Digital input*2 (Dry contact) Digital output*2 (Dry contact) |
| LED Indicator | System power and status indicator |
| Power Input | IEEE 802.3af Class3 PoE |
| Power Consumption | Max. 12W |
| Dimensions | 123 x 74 x 30 mm |
| Weight | 230 g |
| Certifications | CE, FCC Class A, EN50155, EN45545-2, EN62368, IEC60571, UL, CB |
| Operating Temperature | -25°C ~ 55°C (-13°F~131°F) |
| Warranty | 36 months |
| System Requirements | |
| Web Browser | Windows: Mozilla Firefox, Chrome, Microsoft Edge Mac OS: Safari Linux: Chrome |



Dimensions

