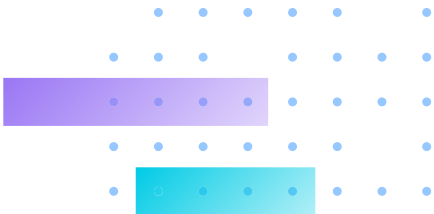**in series**

IE9111-O

AI-Box

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

- 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
- RJ-45 Connector for PoE Connection
- Digital Input*2, Digital Output *2
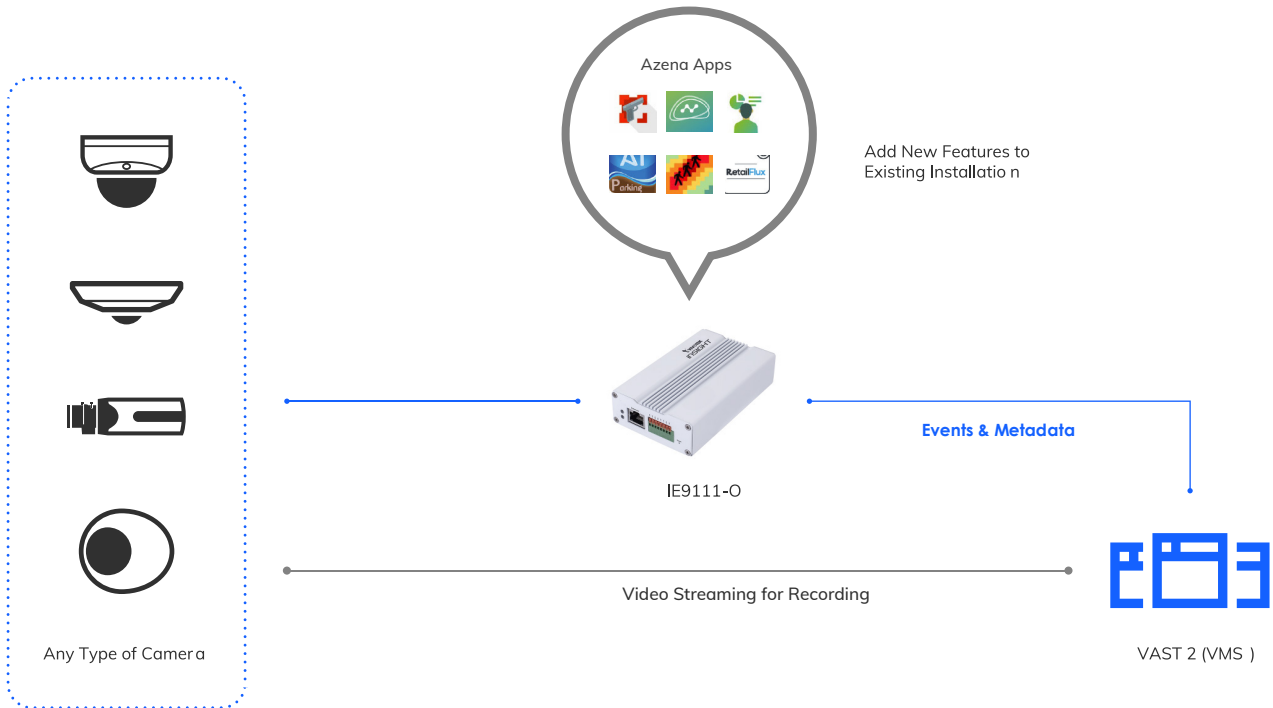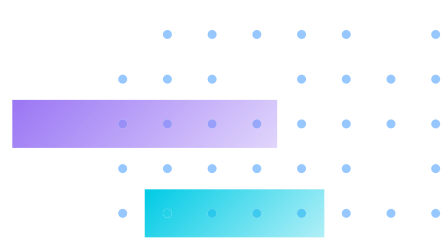
Driven by OSSA

azena

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.
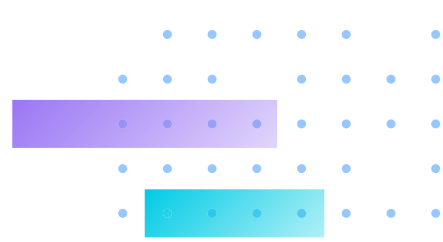
AI-Camera Solution

Azena Apps

Add New Features to Existing Installatio n

IE9111-O

Events & Metadata

Video Streaming for Recording

Any Type of Camera

VAST 2 (VMS)

Technical Specifications

Model	IE9111-O
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	S&ST 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/1000 Base-T Ethernet (RJ-45)
Solution Integration	
VCA	Supported by Azena Apps
Embedded App	iNSIGHT Event Adapter
Event Protocol	MQTT, REST, HTTP GET/POST, ONVIF Event/Metadata
General	
Connectors	RJ-45 cable connector for 10/100/1000Mbps 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, IEC60571, UL, CB, EN62368
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

74 mm

123 mm

30 mm

VIVOTEK