



Smart Edge Analytics



Next generation artificial intelligence edge analytics

Aicuda edge analytics turns any IP camera into an intelligent edge device. The edge analytics module enables cameras to recognize objects, faces, intrusions or license plates. No need to replace existing cameras for new ones. The edge module accelerates video search, analyzes environments and proactively responds to occurring situations. It will lead to a significant increase in productivity of security operations.

VAIDIO Smart Edge Devices

The VAIDIO edge analytics module is a small, self-contained analytics appliance that can support up to four cameras. The edge module can be used standalone or as an extension to a centralized Aicuda analytics appliance, to cover remote sites, branch offices or temporary events. For robotics or mobile cameras, the module can be deployed in car, truck or bus cabins, or near drone operators. It works indoors and outdoors in existing surveillance networks.

📍 Highlights

- Enable a range of analytic functions at the edge
- Process data on demand and receive accurate alerts in real-time
- Works with fixed and mobile cameras on body, drone and vehicle
- Conduct rich keyword and multi-object search
- Integrate with Aicuda platform and third-party VMS vendors
- Search and detect more than 30 objects
- Enable automated access control
- Supports camera abnormal detection



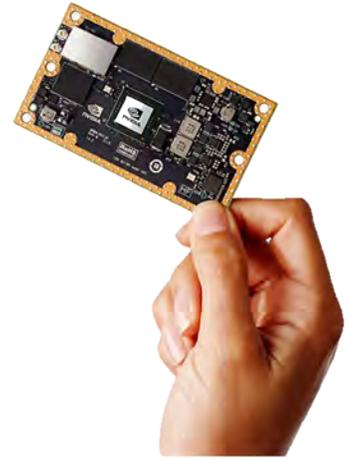
VAIDIO-VSA 30 / 50





📍 Benefits

- Smart analytics coverage for existing, new, remote or mobile cameras
- Accurate real-time alerts within 3 seconds
- Improve safety, security and situational awareness
- Reduce security operators video monitoring time
- Finish forensic searches within seconds
- Reduce or eliminate false alerts by accurately identifying and filtering based on object type, color and quantity



Product Specifications

Model	VAIDIO EDGE VSA-30	VAIDIO EDGE VSA-30	VAIDIO EDGE VSA-30
Product Image			
Model Series	VAIDIO VSA-30 VS	VAIDIO VSA-30 ID	VAIDIO VSA-30 PPE
AI Analytics	2CH Video Search	1CH Intrusion Detection	1CH Personal Protective Equipment (PPE)
Platform	Edge Core Software Platform	Edge Core Software Platform	Edge Core Software Platform
Form factor	Micro PC	Micro PC	Micro PC
CPU	Quad-Core ARM CPU	Quad-Core ARM CPU	Quad-Core ARM CPU
AI GPU	NVIDIA 128-core Maxwell GPU	NVIDIA 128-core Maxwell GPU	NVIDIA 128-core Maxwell GPU
Memory	4GB RAM	4GB RAM	4GB RAM
SSD	16GB	16GB	16GB
SD card	128GB	128GB	128GB
Dimensions LxWxH	92 mm x 77 mm x 70 mm	92 mm x 77 mm x 70 mm	92 mm x 77 mm x 70 mm
Weight	12 oz / 334.2 g	12 oz / 334.2 g	12 oz / 334.2 g
Input power	12V / 5A	12V / 5A	12V / 5A
Operating Temperature	0° C - 70° C / 32° F - 158° F	0° C - 70° C / 32° F - 158° F	0° C - 70° C / 32° F - 158° F



Model	VAIDIO EDGE VSA-50	VAIDIO EDGE VSA-50	VAIDIO EDGE VSA-50	VAIDIO EDGE VSA-50
Product Image				
Model Series	VAIDIO VSA-50 VS	VAIDIO VSA-50 ID	VAIDIO VSA-50 FR	VAIDIO VSA-50 LPR
AI Analytics	4CH Video Search	2CH Intrusion Detection	2CH Face Recognition / Search	2CH License Plate Recognition
Platform	Edge Core Software Platform	Edge Core Software Platform	Edge Core Software Platform	Edge Core Software Platform
Form factor	Micro PC	Micro PC	Micro PC	Micro PC
CPU	8-Core ARM CPU	8-Core ARM CPU	8-Core ARM CPU	8-Core ARM CPU
AI GPU	NVIDIA 512-core Volta GPU	NVIDIA 512-core Volta GPU	NVIDIA 512-core Volta GPU	NVIDIA 512-core Volta GPU
Memory	8GB RAM	8GB RAM	8GB RAM	8GB RAM
SSD	16GB	16GB	16GB	16GB
SD card	256GB	256GB	256GB	256GB
Dimensions LxWxH	92 mm x 77 mm x 70 mm	92 mm x 77 mm x 70 mm	92 mm x 77 mm x 70 mm	92 mm x 77 mm x 70 mm
Weight	12 oz / 334.2 g	12 oz / 334.2 g	12 oz / 334.2 g	12 oz / 334.2 g
Input power	12V / 5A	12V / 5A	12V / 5A	12V / 5A
Operating Temperature	0° C - 70° C / 32° F - 158° F	0° C - 70° C / 32° F - 158° F	0° C - 70° C / 32° F - 158° F	0° C - 70° C / 32° F - 158° F

- * LPR channels support parking lot and city road modules only.
- * Edge devices only support one of the listed analytics at a time.
- * People / Vehicle counting and abnormal functions are not supported on the edge devices.
- * Age & gender and mask detection are only available within the face search / recognition edge module.
- * Design and specifications are subject to change without notice.

