

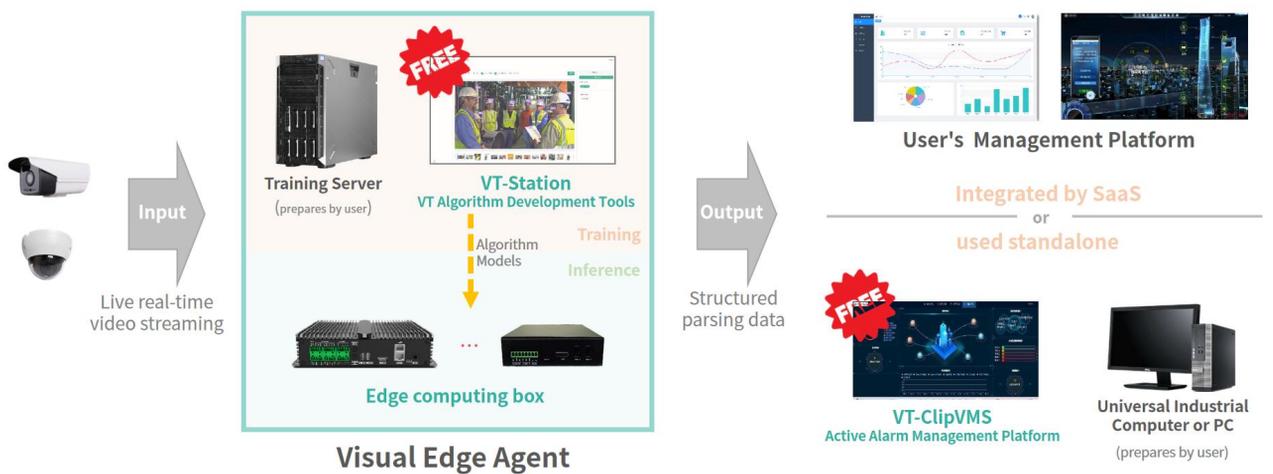


Visual Edge Computing Terminals ZN04A

ZN04 series edge computing terminals are embedded with the AI-MATRIX OS (Edge Computing AI OS), which can simultaneously perform real-time visual analysis on four 4K/1080p input video streams, output structured data and provide abnormal alarms based on the analysis results.

This series of products provides localized VT-Station algorithm development tools, optional pre-training models, and high-quality datasets to achieve edge side generation and deployment of algorithms.

The visual edge agent composed of ZN04A can solve a series of problems such as abnormal behavior monitoring, safety production management, product defect detection, regional intrusion, item identification and attribute analysis through active visual analysis and alarm. It is widely used in industries such as industrial manufacturing, chemical/power/energy management, campuses, and emergency management.



ZN04A Typical Application Solution



**Industrial
Manufacturing**



**Smart
Transportation**



**Energy /
Electricity**



**Warehousing /
Logistics**



**Emergency
Management**

Specifications

Model		ZN04A (Basic Edition) / ZN04G (4G Edition)
System	AI Processor	AXERA AX630A
	OS	Embedded linux
	NPU	8Tops @ INT8
	RAM	4GB
	ROM	32GB
Video	Video Input	4CH RTSP
	Resolution	8MP/6MP/5MP/4MP/3MP/1080P/1280x1024/960P/720P/960H
	HDMI Output	1x, Support 3840x2160, 1920x1080, 1280x1024, 1024x768
Audio	Network Audio Input	4-8CH
	Local Output	PhoneJack x1,3.5mm
CODEC	Video CODEC standards	H.264/H.265
	Audio CODEC standards	G.711
Preview	Single Screen	Main stream display, up to 8MP
	4 Screens/8Screens	Sub steam D1
Storage Management	TF Card	1x TF Card Slot (Build in)
Network Management	Network Protocols	TCP/IP、PPPoE、DHCP、DNS、DDNS、UPnP、NTP、SMTP
Wireless	4G	[ZN04G] 1x4G LTE module with MiniPCI-E (Build in)
	SIM Card	[ZN04G] 1x SIM Card Slot (Build in)
	Antenna	[ZN04G] 2x SMA
	GPS	[ZN04G] Option
Interface	Ethernet	RJ45 1000Mbpsx2
	Alarm Input/Output	2x Input, 1x RELAY Output, support Ethernet alarm input
	USB Ports	2x USB2.0
	RS485	1x, half-duplex
	Reset Button	1x
	Indication LED	Power, System Status
Protection Grade	ESD	Contact 4KV, Air 8KV
	Surge	Ethernet port: common mode 4KV RS485: common mode/differential mode 6KV Power adapter : common mode 2KV/differential mode 1KV
Environments	Dimensions	120x120x36mm
	Power Adaptor	DC12V/2A
	Certification	3C, RoHS 2.0
	Power Consumption	≤10W
	Operating Condition	-20~65°C, 10%~90% (RH)



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Website



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