GANZ®

NDAA COMPLIANT

GANZ®

AI BOX V2.0

FEATURES

- Event rule combining - AI video analytics
- Simple AI setup with existing IP cameras
- Multi-level AI-based false alarm reduction
- High-performance pose estimation AI technology
- Smart scene detection
- Run multiple AI apps on each video channel
- Easy integration with other systems
- Web-based configuration
- Enhanced security options
- NDAA compliant

AI-Based
Intuitive AI video analytics

False Alarm Reduction
Multi-level AI-based

Multiple AI Apps
Running simultaneously on each channel

Accurate Event Detection
Using scene interpretation

CBC GROUP

		AI Box V2.0 Standard Package - ZN-AIBOX-STD	AI Box V2.0 Pro Package - ZN-AIBOX-PRO
AI Application Packages	Pre-installed Package	• Dynamic Privacy Masking • Standard Attribute (clothing colors) • Queue Management • Standard Heat Map • Intrusion Detection • Loitering Detection • People Counting • Vehicle Counting • Zone Counting (zone occupancy) • Virtual Fence (line crossing) • Stopping Detection • Stay & Go (enter & exit) • Occupancy Counting	• Crowd Detection • Advanced Visitor Analysis • Intentional Body Gaze Detector • Hand & Foot Intrusion • Imminent Threat • Fallen Person Detection • Animal Detection • Vehicle Counting (bus, truck, other cars) • Thermal (human) Detector • Drone View • Advanced Attribute • Also includes Standard Package licenses
AI Application Add-ons	Add-on Licenses (Channel license required)	• License Plate Recognition (LPR) - US, EU, JP, KR • Advanced Heat Map • Helmet /Safety Vest - Not Wearing • Illegal Dumping • Illegal Parking • Violence Detection • PTZ Auto Tracking • Combined Counter • Human Prolonged Stay	
AI Engine	Included in AI Applications	Detector, Tracker, Recognizer, and Behavior Analyzer	
Event Trigger	Included in AI Applications	Behavior Detection Trigger, Counting Trigger, System Trigger, and Recognition Trigger	
	False Alarm Filter	Perspective interpolation based object size filter	
		AI-based multi-level prevention filter	
	Combined with Other Triggers	Yes	
Event Action	System Events	Alarm in, virtual alarm in, video loss / recovery, system start, disarm, recurrence, login, tamper detection	
	System Action Handler	Relay out, RS485, audio back channel (camera speaker)	
	Network Action Handler	HTTP, FTP, e-mail (SMTP), AWS S3, TCP, Onvif	
	VMS Action Handler	Ganz CORTROL plug-in, Milestone, NX Plug-in	
	NVR/DVR Action Handler	HTTP API	
	Combining Rules with Other Events	Yes	
	Pre/Post Snapshot	Yes	
Analytics Report	Counter Report	TBD	
	Visitor Analytics Report (License, TBD)	-	
	Queue Management Report (TBD)	-	
	Heatmap and Pathmap Reports (TBD)	-	
UI	Web UI	HTML5 web UI (no plug-ins)	
API	API	Onvif, REST	

		AI Apps Supported in 8ch Mode	AI Apps Supported in 16ch Mode
	Number of Input Video Channels	• Standard Package • Pro Package • Add-on licenses	• Intrusion • Loitering • People Counting • Vehicle Counting • Zone Counting • Virtual Fence • Stopping • Stay & Go, • Occupancy • Combined Counter
Video	Annotated Video Output - RTSP	Yes - 8 ch mode	No - 16 ch mode
	Pre / Post JPEG Snapshot	Yes - 8 ch mode	Yes - 16 ch mode
	Max Video Input Resolution	4K (3840x2160) @ 60 fps	2MP (1920x180) @ 240 fps
	Video Input Method	RTSP, RTSP over HTTPS, Onvif	
	Supported Input Video Format	H.265 / H.264	
	Supported Input FPS	3 ~ 30fps per channel *Note: If channel uses dynamic FPS - Turn off*	
	Supported Input GOP	Same value as FPS setting per channel *Note: If channel uses dynamic GOP - Turn off*	
	Video Output Stream Method	RTSP over TCP/UDP, RTSP over websocket, RTSP over HTTPS (TBD)	
	Monitor Out / Monitor Resolution	- / -	
Audio	Audio Input / Output	1 x Audio in / 1 x Audio out	
Interface	USB	1 x USB2.0, 1 x USB3.0	
	RS-485	1	
	LAN	2 x 10/100/1000 BASE-T Ethernet (ETH1/ETH2)	
	Wiegand	1ch input / 1ch output	
Alarm I/O	Alarm Input/ Output	4ch input / 1ch (relay) output	
Additional	Watchdog / RTC	Yes / Yes	
	Cooling Fan	-	
	Factory Reset Button	Yes	
	LED Indicators	1 x power LED (3 color) / 1 x Status LED (3 color)	
Power	Power Supply / Consumption	12V/3.3A adaptor / 16 watts	
Environment	Temperature / Humidity	-4°F~158°F (-20°C ~ 70°C) / 10 ~ 90% NC	
Chassis	Dimensions	5.6" L x 7.1" W x 1.7" H , 142mm L x 180mm W x 42mm H	
	Weight (net/gross,)	2lbs / 3.3lbs, 0.9/ 1.5 Kg	
Certifications		CE, FCC, KC, NDAA Compliant	