

REDBACK AI

AI-SERVER-Slim



- Deep learning-based video analytics server
- Enable video analytics by simply adding an AI server to existing CCTV systems
- Choose type – Intelligent Analytics, License Plate Recognition (LPR), Fire Detection (Flame/Smoke)
- Model Line-up: 16 CH , 32CH , optional CH

Specifications

Model name		EM-AI16S	EM-AI32S	EM-AI00S
Video input	Default	16CH	32CH	0CH
	Max	Up to 16CH	Up to 32CH	Up to 32CH
Inference Budget		48		
CPU		Dual intel i5(14+14 cores)		
GPU		Dual intel Arc Graphics		
NPU		Dual intel NPU3(22TOPs)		
Total TOPs(CPU+GPU+NPU)		Up to 68TOPs		
RAM		DDR5 64GB		
SSD		Dual M.2 SSD 128GB		
Display	Monitor output	2 x HDMI(8K60Hz) + 2 x HDMI(4K60Hz)		
	Split screen	(1/2/4/6/10/13/16)		Depend on CH
performance	Live	FHD 32CH		Up to license
	backup	Event Data Only		
Network	interface	2.5GbE 4port		
	bandwidth	10 Gbps		
	Simultaneous Access	1024(Within network bandwidth)		
	protocol	TCP/IP,UDP,DNS,DDNS,HTTP,NTP,RTP/RTCP,RTSP		
	Bandwidth control	Auto, Manual		

IP camera	Resolution	CIF-32M
	protocol	ONVIF / RTSP and Axis / Sony / Panasonic / Hanwha / Truen / Dahua / HIKVISION etc. over 130+
OS		Linux 64bit (Embedded)
Alarm event	type	Motion Detection, Sensor, Relay, Camera Signal Loss / Recovery
	External	Emergency Call, POS, Thermal Event(Thermal, Sensor)
Intelligent Event	LPR	EMSTONE video analysis AI-based LPR (Option)
	Fire / Smoke	EMSTONE video analysis AI-based flame/smoke detection (Option)
	Intelligen Analytics Part 1	EMSTONE video analysis AI-based Intrusion/Loitering/Queuing/people counting/crowding, Safety Zone Intrusion/fail/Fighting/Personal protective Equipment(PPE) and ETC
	3rd Party	Abnormal Sound Detection, LPR/Directional Vehicle Number Extraction camera or sever, video analysis flame/smoke detection system
	Interworking Analysis Server	Intellivix, Nexreal, IVS, HanwhaVision, Truen, ITX, CHAJA, Neotech and ETC
Action		Alarm, Camera pop-up, Warning message, Warning sound, E-mail, FTP, Preset, HTTPS API Support
Security		Multi User Level, Biometric authentication support
Data/Time Synchronization		NTP timeserver, own NTP server function, self synchronization via GPS(option)
Operating Temp / Humidity		5℃~40℃ / 0%~90%
Power Supply / Current		Dual DC12V 10A (AC 100~240V input)
Dimension (W x H x D)		430(W) x 45(H) x 248(D) mm / Approx. 3.18 kg
Package Dimension (W x H x D)		498(W) x 115(H) x 351(D) mm / Approx. 3.60 kg

Dimensions

(mm)

Certification

