

REDBACK AI

AI-SERVER-mini



- 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: 4CH, 8CH, 16 CH, optional CH

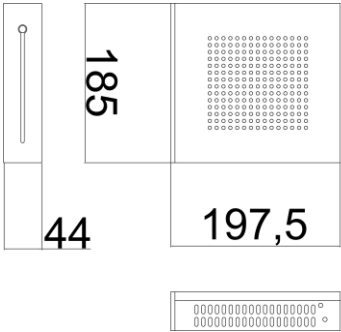
Specifications

Model name		EM-AI04mini	EM-AI08mini	EM-AI16mini	EM-AI00mini
Video input	Default	4CH	8CH	16CH	0CH
	Max	Up to 4CH	Up to 8CH	Up to 16CH	Up to 16CH
Inference Budget		20	20	24	24
CPU		intel i5(14cores)			
GPU		Intel Arc Graphics			
NPU		Intel NPU3 (11TOPs)			
Total TOPs(CPU+GPU+NPU)		Up to 34TOPs			
RAM		DDR5 16GB		DDR5 32GB	
SSD		M.2 SSD 128GB (OS, Event DB)			
Display	Monitor output	1 x HDMI(8K60Hz) + 1 x HDMI(4K60Hz)			
	Split screen	(1/2/4)	(1/2/4/6/9)	(1/2/4/6/10/13/16)	depend on CH
performance	Live	FHD 4CH	FHD 8CH	FHD 16CH	up to license
	backup	Event Data Only			
Network	interface	2.5GbE 2port			
	bandwidth	5Gbps			
	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)
	Intelligent 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		DC12V 10A (AC 100-240V input)
Dimension (W x H x D)		185(W) x 45(H) x 197.5(D) mm / Approx. 1.14 kg (Vesa mount 0.08kg Without)
Package Dimension (W x H x D)		350(W) x 76(H) x 235(D) mm / Approx. 1.95 kg

Dimensions

(mm)



Certification

