AVEM-NVR64-AI8

AI NVR · 64 CHANNEL

Dual-engine AI network video recorder supporting Smart Analytics, ANPR, perimeter protection, video structurization across all 64 IP channels, with RAID-ready storage and 4K multi-output display.



64-CH	2	8×SATA	400 Mbps	2U
IP VIDEO INPUT	AI ENGINES	HOT-SWAP, UP TO 20TB EACH	INCOMING BANDWIDTH	CHASSIS

ANPR

By Camera	All channels
Vehicle Attributes	Plate number, license plate color, license plate type
Plate Attributes	Vehicle brand, vehicle color, vehicle type

SMART AI FEATURE

AI by Device	Face Comparison
AI by Device and Camera	Face Comparison, perimeter protection, video structurization, Smart Search, motion detection 2.0, ANPR, people counting

FACE COMPARISON

Face Picture Library	Up to 16 libraries, up to 50,000 face pictures in total (each picture ≤ 4 MB, total capacity ≤ 1 GB)
Face Picture Comparison	8-channel
Facial Detection and Analytics	Face picture comparison, human face capture, face picture search
Detection Performance	4-ch human face capture (HD network camera, 4-ch 2MP, 2-ch 4MP, 1-ch 8MP, H.264/H.265)
Smart Search Capacity	If cameras support the technology and have Smart Search enabled, all channels support Smart Search Capacity, modeling up to 300,000 targets/day
Search Language	English, French, Italian, German, Polish, Portuguese, Thai, Russian, Arabic, Turkish, Spanish, Dutch, Romanian, Czech, Swedish, Croatian, Latvian, Ukrainian, Hungarian, Danish, Japanese, Korean, Vietnamese, Indonesian, Brazilian Portuguese, Traditional Chinese

SUPPORTED COUNTRIES & REGIONS

Asia-Pacific: Myanmar, Philippines, Indonesia, Vietnam, Pakistan, New Zealand, Australia, Sri Lanka, Singapore, Malaysia

Europe & Central Asia: Turkey, Croatia, Slovakia, Czech Republic, Bulgaria, Macedonia, Hungary, Greece, Poland, France, Netherlands, Switzerland, Spain, United Kingdom, Ireland, Germany, Italy, Austria, Palestine, Latvia, Lithuania, Estonia, Belgium, Luxembourg, Ukraine, Uzbekistan, Kazakhstan, Mongolia, Moldova, Kyrgyzstan, Azerbaijan, Georgia, Armenia, Albania, Kosovo, Belarus, Cyprus, Denmark, Finland, Malta, Portugal, Romania, Slovenia, Sweden, Israel, Bosnia and Herzegovina, Turkmenistan, Montenegro, Serbia, Tajikistan, Iceland, Liechtenstein

Americas & Africa: Argentina, Brazil, Chile, Colombia, Peru, Ecuador, Paraguay, Uruguay, El Salvador, Bolivia, Canada, Mexico, Panama, Costa Rica, Nigeria, Kenya, Mauritius, Tanzania, Côte d'Ivoire, South Africa, Tunisia, Sierra Leone, Zambia, Ghana, Zimbabwe, Uganda, Angola, Ethiopia, Trinidad and Tobago, Dominica, Guatemala, Senegal, Algeria, Cameroon

NETWORK

Network Interface	2 × RJ-45, 10/100/1000 Mbps self-adaptive Ethernet
Remote Connection	128
Network Protocol	TCP/IP, DHCP, IPv4, IPv6, DNS, DDNS, NTP, RTSP, SADP, SMTP, SNMP, NFS, iSCSI, ISUP, UPnP™, HTTP, HTTPS, ONVIF, OTAP
API	ONVIF (Profile S/G); SDK; ISAPI
Compatible Browser	IE11, Chrome V57, Firefox V52, Safari V12, Edge V89, or later

VIDEO AND AUDIO	
Recording Bandwidth	400 Mbps
Outgoing Bandwidth	256 Mbps
HDMI 1 Output	4K (3840×2160) / 30Hz, 2K (2560×1440) / 60Hz, 1080P (1920×1080) / 60Hz, 720P (1280×720) / 60Hz
HDMI 2 Output	1080P (1920×1080) / 60Hz, 720P (1280×720) / 60Hz
VGA 1 Output	1080P (1920×1080) / 60Hz, 720P (1280×720) / 60Hz
VGA 2 Output	1080P (1920×1080) / 60Hz, 720P (1280×720) / 60Hz
Video Output Mode	HDMI1/VGA1 simultaneous output, HDMI2/VGA2 simultaneous output
CVBS Output	N/A
Audio Output	2-channel, RCA (Linear, 1 KΩ)
Two-Way Audio	1-channel, RCA (2.0 Vp-p, 1 KΩ)
IP Video Input	64-channel
RAID	
RAID Type	RAID 0, RAID 1, RAID 5, RAID 6, RAID 10
DECODING	
Decoding Format	H.265+, H.265, H.264+, H.264
Recording Resolution	32MP / 24MP / 16MP / 12MP / 8MP / 6MP / 5MP / 4MP / 3MP / 1080p / UXGA / 720p / VGA / 4CIF / DCIF / 2CIF / CIF / QCIF *Supports resolution width/height under 8192 pixels, total not exceeding 32MP. Up to 4 channels of >12MP IP video input.*
Synchronous Playback	16-channel
Live View Window Division	1/2/4/6/8/9/16/25/36/64
Aux Port Window Division	1/2/4/6/8/9/16/25/36
Decoding Capability	AI by NVR enabled: 20-ch @ 1080p (30 fps) AI by NVR disabled: 32-ch @ 1080p (30 fps)
Dual-Stream Recording	Supported
Audio Compression	G.711ulaw / G.711alaw / G.722 / G.726 / AAC / MP2L2 / PCM
Stream Type	Video, Video & Audio
AUXILIARY INTERFACE	
SATA	8 × SATA interfaces, hot-swap
Serial Interface	1 × RS-232, 1 × RS-485 (full-duplex)
Capacity	Up to 20 TB per disk
eSATA	1 × eSATA interface
Alarm In / Out	16 / 9
USB Interface	Front panel: 2 × USB 2.0 | Rear panel: 2 × USB 3.0
Ctrl 12V	Controllable 12 VDC, 1 A power output for external alarm device; powers on when the alarm output is triggered (controlled by alarm output 9)
DC 12V	12 VDC, 1 A power output

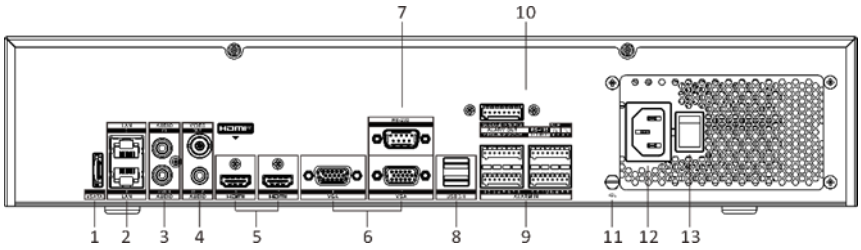
GENERAL

Power Supply	100–240 VAC, 50/60 Hz
GUI Language	English, Russian, Bulgarian, Hungarian, Greek, German, Italian, Czech, Slovak, French, Polish, Dutch, Portuguese, Spanish, Romanian, Turkish, Japanese, Danish, Swedish, Norwegian, Finnish, Korean, Traditional Chinese, Thai, Estonian, Vietnamese, Croatian, Slovenian, Serbian, Latvian, Lithuanian, Uzbek, Kazakh, Arabic, Ukrainian, Kyrgyz, Brazilian Portuguese, Indonesian, Hebrew
Consumption	≤ 50 W (without HDD)
Working Temperature	-10°C to 55°C (14°F to 131°F)
Working Humidity	10% to 90%
Chassis	2U chassis
Dimension (W × D × H)	442 × 462 × 88 mm (17.4" × 18.17" × 3.46")
Weight	≤ 7.1 kg (without HDD, 15.65 lb.)

CERTIFICATION

Obtained Certification	CE, CB, REACH, WEEE, UKCA, RCM, IC, LOA, KC
CE	EN 55032, EN 61000-3-2, EN 61000-3-3, EN 55035, EN 50130-4

PHYSICAL INTERFACE



No.	Description	No.	Description
1	eSATA interface	8	USB 3.0 interface
2	LAN1 / LAN2 interface	9	ALARM IN
3	AUDIO IN/OUT	10	ALARM OUT, RS-485, Ctrl 12V and DC 12V
4	AUDIO/VIDEO OUT	11	GND
5	HDMI1 / HDMI2 interface	12	100–240 VAC power supply
6	VGA1 / VGA2 interface	13	Power switch
7	RS-232 interface		