OV64-Recorder

NVR · 64 CHANNEL



AI network video recorder supporting facial recognition, ANPR, perimeter protection, video structuralization and DeepAISearch across all 64 IP channels, with RAID-ready storage and 4K multi-output display.

INTELLIGENT ANALYTICS

AI by NVR	Facial recognition
AI by NVR and Camera	Facial recognition, perimeter protection, video structuralization, AISearch, motion detection 2.0, ANPR, people counting, DeepAISearch
Engine	2 engines — 1 for face picture and AISearch, 1 for DeepAISearch

FACIAL RECOGNITION

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)
AISearch Performance	If cameras support the technology and have AISearch enabled, all channels support AISearch, modeling up to 300,000 targets/day
DeepAISearch Performance	If cameras support the technology and have AISearch enabled, all channels support DeepAISearch, 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

ANPR

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

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

Middle East: Qatar, Kuwait, Oman, Jordan, Lebanon, Iraq, United Arab Emirates, Saudi Arabia, Bahrain, Egypt, Libya

VIDEO AND AUDIO

IP Video Input	64-channel
Incoming Bandwidth	400 Mbps
Outgoing Bandwidth	256 Mbps
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)
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

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

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

RAID

RAID Type	RAID 0, RAID 1, RAID 5, RAID 6, RAID 10

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

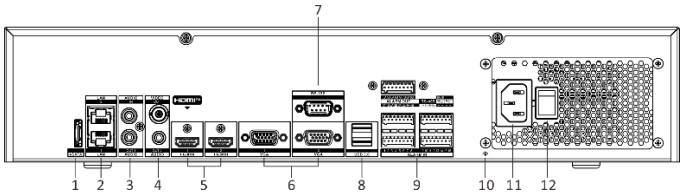
GENERAL

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		