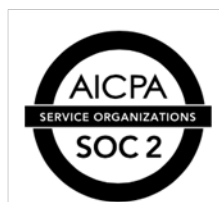




GE-NV12809R-12MP-RX

24HDD,160CH

Pro series



KEY FEATURES

- Up to 160-ch IP camera accesses
- Incoming/Outgoing bandwidth: 800Mbps/400Mbps
- S+265, H.265, S+264, H.264 video formats
- Max. decoding capability: 16MP(30fps)×3 or 1080P(30fps)×28
- 16-ch synchronous playback
- Up to 24 TB capacity for each HDD
- HDMI output at up to 4K resolution
- Simultaneous HDMI1 and VGA1 outputs; Simultaneous HDMI2 and VGA2 outputs
- 4×RJ-45, 10/100/1000 Mbps self-adaptive Ethernet port
- Support cloud upgrade
- S+ 265 compression effectively reduces the storage space by up to 75%



SPECIFICATIONS

Intelligent Analytics	
AI by Camera	Tripwire; Double Tripwire; Perimeter; Object Abandon; Object Missing; Loiter; Running; Parking; Heatmap; Video Abnormal; Audio Abnormal; License Plate Recognition; On Duty Detection; Crowd Detection; Parking Guard; Safety Helmet Detection; Electric Bicycle Detection; People Counting; Link to Tracking; Smoke and Fire Detection; Environmental Temperature Measurement; Face Detection; Human Body Temperature Measurement; Smart Motion; Face Recognition; Human/Vehicle Classification
VCA Search	Heatmap; Early-warning Search; Behavior Search; License Plate Search; Safety Helmet Search; Thermographic Retrieval; Duty Search; Electric Bicycle Retrieval; Face Search
Storage	
HDD Capacity	Up to 24 TB capacity for each HDD
Disk Group	16 Disk Group
RAID	JBOD, RAID0, RAID1, RAID5, RAID6, RAID10, RAID50, RAID60
Hot Swapping	Yes
Record Playback	
Multi-channel Playback	16
Record Mode	Manual Recording; Alarm Recording; Schedule Recording
Storage Method	Local HDD
Backup	USB storage device, Network
Playback Function	Play/Pause/Stop/Slow/Speed/Backwards 30s/Forwards 30s/Full Screen/Backup (Video Editing)/Step/ Digital Zoom
Video and Audio	
Access Channel	160
Incoming Bandwidth	800Mbps
Outgoing Bandwidth	400Mbps
Resolution	16MP/12MP/8MP/6MP/5MP/4MP/3MP/1080P/UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF
Preview Decoding Capability	16MP(30fps)×3, 12MP(30fps)×4, 8MP(30fps)×7, 6MP(30fps)×9, 5MP(30fps)×11, 4MP(30fps)×14, 3MP(30fps)×18, 1080P(30fps)×28, 720P(30fps)×56, 4CIF(30fps)×80
Playback Decoding Capability	16MP(30fps)×3, 12MP(30fps)×4, 8MP(30fps)×6, 6MP(30fps)×8, 5MP(30fps)×9, 4MP(30fps)×12, 3MP(30fps)×16, 1080P(30fps)×16, 720P(30fps)×16
Third-party Camera Access	ONVIF; RTSP
HDMI Output	HDMI: 800×600(60Hz), 1024×768(60Hz), 1280×720(50Hz/60Hz), 1280×800(60Hz), 1366×768(60Hz), 1440×900(60Hz), 1920×1080(50Hz/60Hz), 2560×1440(30Hz/60Hz), 2560×1600(60Hz), (4K)3840×2160(30Hz/60Hz)
VGA Output	VGA: 800×600(60Hz), 1024×768(60Hz), 1280×720(50Hz/60Hz), 1280×800(60Hz), 1366×768(60Hz), 1440×900(60Hz), 1920×1080(50Hz/60Hz)
Multi-screen Display	Independent Output: HDMI1/VGA1: 1/2/3/4/5/6/7/8/9/10/12/13/16/20A/20B/25/32/36/40/64/80 HDMI2: 1/2/3/4/5/6/7/8/9/10/12/13/16/20A/20B/25/32/36/40/64/80
Audio Input	1-ch, 3.5mm
Audio Output	1-ch, 3.5mm
Two-Way Audio	1-ch, 3.5mm, using the audio input

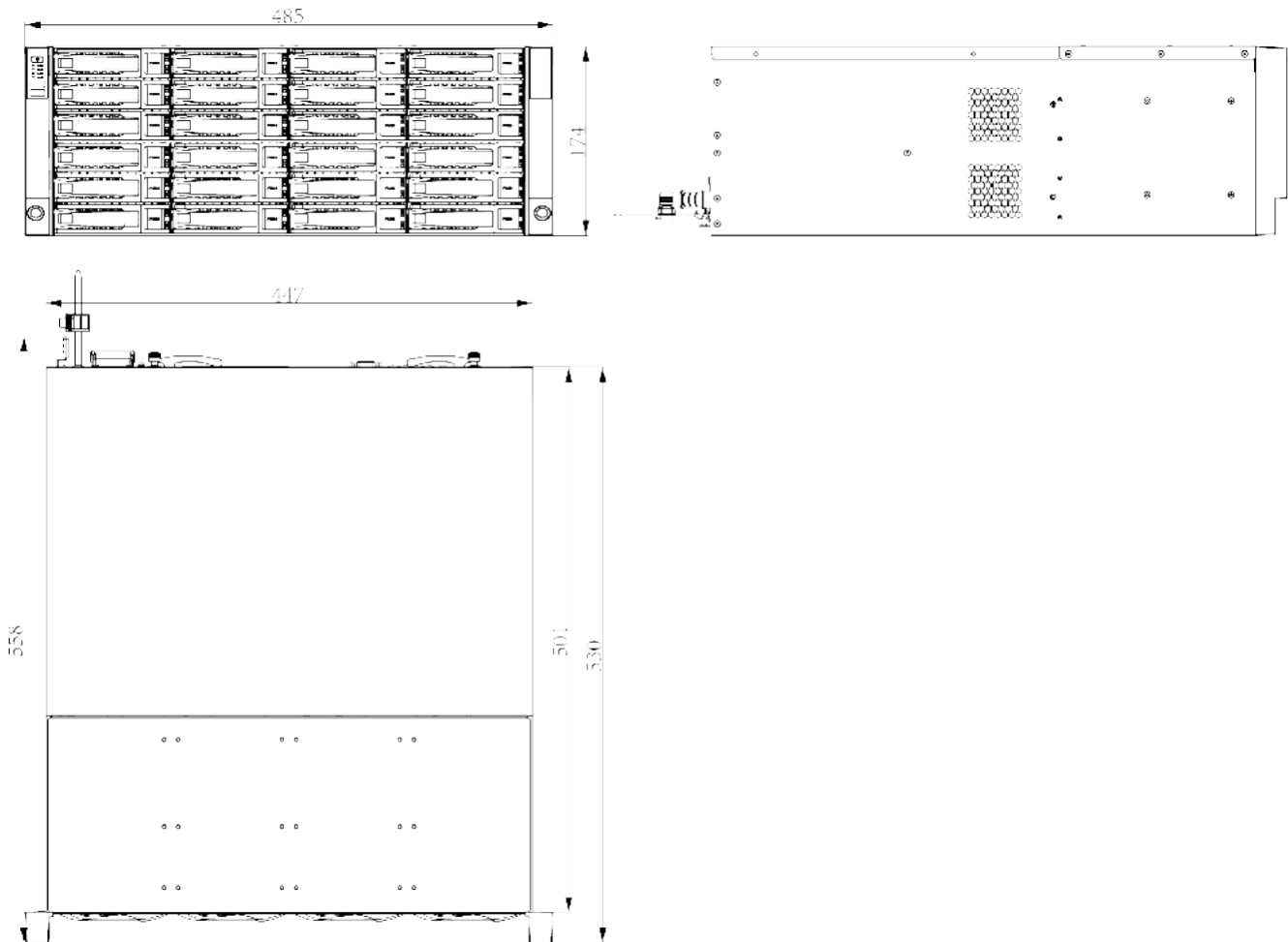


External Port	
USB	2×USB2.0; 1×USB3.0
HDMI	2×HDMI (supports up to 4K resolution output)
VGA	1×VGA
Network Interface	4×RJ-45, 10/100/1000 Mbps self-adaptive Ethernet port
SATA	24×SATA interface
RS232	1×RS232
RS485	2×RS485
Alarm I/O	16-ch, TTL inputs, 3mA, 3.3VDC; 8-ch, relay outputs, 1A, 24VDC
eSATA	1×eSATA
Network	
Protocols	ARP; DDNS; DHCP; DNS; Easy DDNS; FTP; HTTP; HTTPS; ICMP; IGMP; IPv4; IPv6; Multicast; NFS; NTP; PPPoE; RTCP; RTP; RTSP; SMB/CIFS; SMTP; SNMP v1; SRTP; SSH; SSL; TLSv1.2; TCP/IP; UDP; Unicast; UPnP
System Compatibility	ONVIF (Profile S/T/G); RTSP; CGI; SDK
Client	Golden Eye VMS
Web	IE10+; Firefox52+; Edge89+; Safari11+; Chrome57+
Alarm	
General Alarm	Motion Detection; Mask Alarm; Alarm Input(IPC); Alarm Input(NVR); Manual Alarm
Exceptions Alarm	Video Loss; IP Conflict; MAC Conflict; Network Disconnected; No Disk; Illegal Access; Disk group space alert; Disk Full; Disk R/W Error; Recording Abnormal; Abnormal found in smart of disk; Abnormal temperature of the disk; Hot-spare Exception; Array Exception; Voltage Alarm(IPC); RTC Failure
Compression	
Video Compression	S+265; H.265; S+264; H.264
Audio Compression	G711A; G711U; AAC; ADPCM_DIV4
Stream Type	Video; Video & Audio
Face Detection	
Face Attributes	Gender; Age; Glasses; Face Mask; Body Temp
Face Recognition	
Face Picture Library	Up to 300 face libraries Up to 100000 base images
Face Picture Comparison	Face Picture Comparison (Cooperate with facial recognition IPC)
General	
Web Client Language	Simple Chinese; Traditional Chinese; English; Spanish; Korean; Italian; Turkish; Russian; Thai; French; Polish; Dutch; Hebrew; Arabic; Vietnamese; German; Ukrainian; Portuguese; Albanian
Operating Temperature	-10°C~+55°C (+14°F~+131°F)
Operating Humidity	10%~90%RH (non-condensing)
Storage Temperature	-20°C~+60°C (-4°F~+140°F)
Power Consumption	<45W(HDD not included, idling)
Power Supply	100~240V AC
Boundary Dimensions	530(L)484.5(W)174.5(H)mm
Package Dimensions	780(L)710(W)330(H)mm
Package Kit	Network Video Recorder; Screw Pack; Mouse; European Standard Power Cord
Net Weight	15.2 Kg
Gross Weight	20 Kg

Design and specifications are subject to change for product improvements without prior notice



DIMENSIONS (Unit: mm)



Physical Interfaces

