



# GE-NR15830/EBN

16HDD, 40CH

*Pro series*



## KEY FEATURES

- Up to 40-ch IP camera accesses
- Incoming/Outgoing bandwidth: 640Mbps/320Mbps
- S+265, H.265, S+264, H.264 video formats
- Max. decoding capability: 16MP(30fps)×3 or 1080P(30fps)×24
- 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
- 2×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                   | 8 Disk Group                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| RAID                         | JBOD, RAID0, RAID1, RAID5, RAID6, RAID10                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Hot Swapping                 | Yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Record Playback              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Multi-channel Playback       | 16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Record Mode                  | Manual Recording; Alarm Recording; Schedule Recording                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Storage Method               | Local HDD, eSATA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Backup                       | USB storage device, eSATA, Network                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Playback Function            | Play/Pause/Stop/Slow/Speed/Backwards 30s/Forwards 30s/Full Screen/Backup (Video Editing)/Step/ Digital Zoom                                                                                                                                                                                                                                                                                                                                                                                      |
| Dual Stream Record           | Yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Video and Audio              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Access Channel               | 40                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Incoming Bandwidth           | 640Mbps                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Outgoing Bandwidth           | 320Mbps                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 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)×6, 6MP(30fps)×8, 5MP(30fps)×9, 4MP(30fps)×12, 3MP(30fps)×16, 1080P(30fps)×24, 720P(30fps)×40, 4CIF(30fps)×40                                                                                                                                                                                                                                                                                                                                            |
| 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:<br>HDMI1/VGA1: 1/2/3/4/5/6/7/8/9/10/12/13/16/20A/20B/25/32/36/40<br>HDMI2/VGA2: 1/2/3/4/5/6/7/8/9/10/12/13/16/20A/20B/25/32/36/40                                                                                                                                                                                                                                                                                                                                            |
| Audio Input                  | 1-ch, 3.5mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Audio Output                 | 1-ch, 3.5mm; BNC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Two-Way Audio                | 1-ch, 3.5mm, using the audio input                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

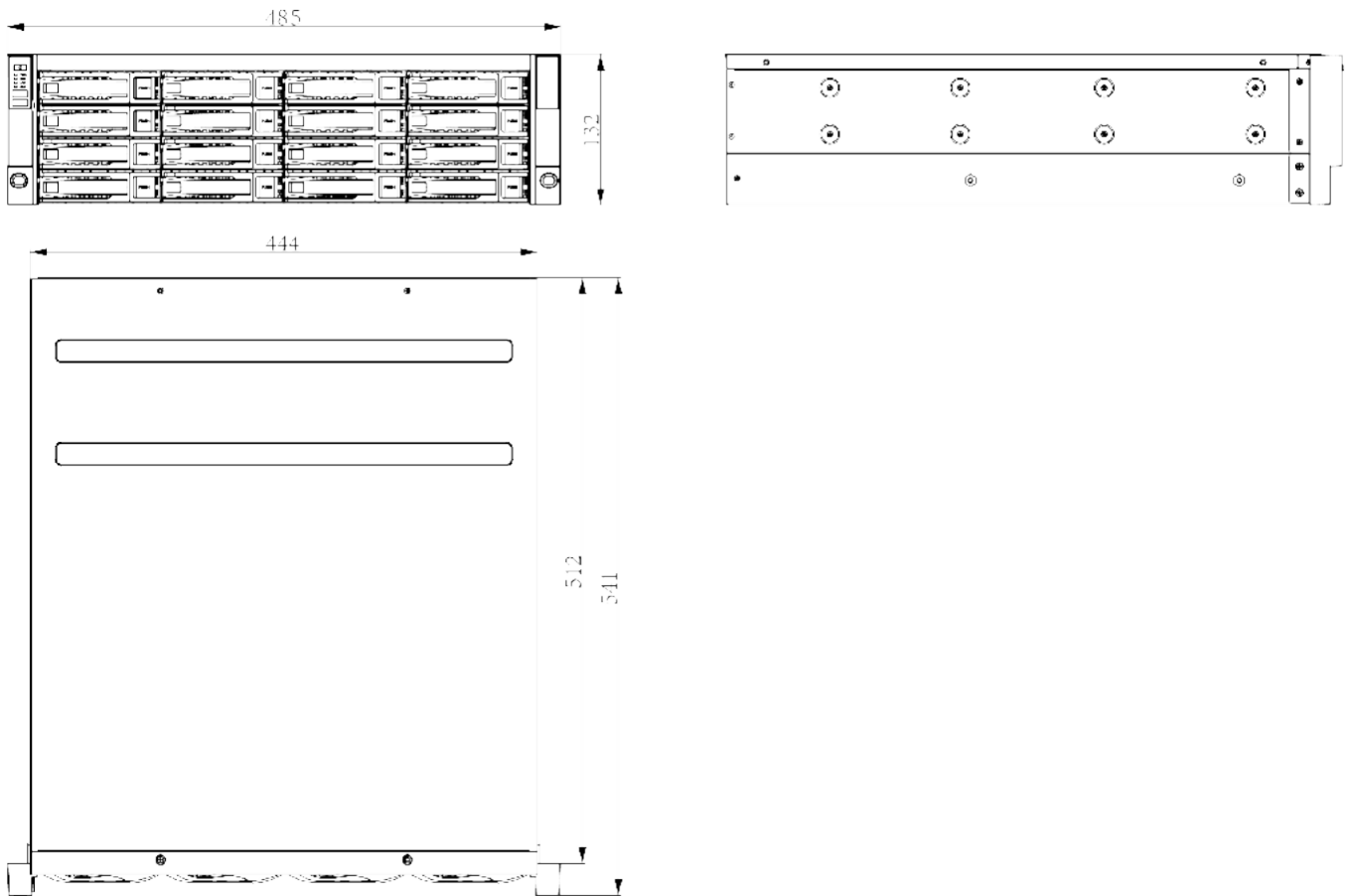


| External Port           |                                                                                                                                                                                                                                                                                                       |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| USB                     | 2×USB2.0; 1×USB3.0                                                                                                                                                                                                                                                                                    |
| HDMI                    | 2×HDMI (supports up to 4K resolution output)                                                                                                                                                                                                                                                          |
| VGA                     | 2×VGA                                                                                                                                                                                                                                                                                                 |
| Network Interface       | 2×RJ-45, 10/100/1000 Mbps self-adaptive Ethernet port                                                                                                                                                                                                                                                 |
| SATA                    | 16×SATA interface                                                                                                                                                                                                                                                                                     |
| RS232                   | 1×RS232                                                                                                                                                                                                                                                                                               |
| RS485                   | 2×RS485                                                                                                                                                                                                                                                                                               |
| Alarm I/O               | 16-ch, TTL inputs, 3mA, 3.3VDC; 4-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<br>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       | <25W(HDD not included, idling)                                                                                                                                                                                                                                                                        |
| Power Supply            | 100~240V AC                                                                                                                                                                                                                                                                                           |
| Boundary Dimensions     | 540(L)484(W)132(H)mm                                                                                                                                                                                                                                                                                  |
| Package Dimensions      | 666(L)575(W)249(H)mm                                                                                                                                                                                                                                                                                  |
| Package Kit             | Network Video Recorder; Screw Pack; Mouse; European Standard Power Cord                                                                                                                                                                                                                               |
| Net Weight              | 11.75 Kg                                                                                                                                                                                                                                                                                              |
| Gross Weight            | 17.6 Kg                                                                                                                                                                                                                                                                                               |

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



## DIMENSIONS (Unit: mm)



## Physical Interfaces

