

## 16ch Hybrid, 4K Resolution, H.265 NVR



16ch Hybrid

### **HNR162XQ**

- > Fully Adheres to National Defense Authorization Act (NDAA) Guidelines
- > 16ch Hybrid recorder w/ H.265 compression for best-in-class recording and storage capability
- > Supports 2 SATA HDD up to 24TB each and has Embedded PoE Switch for all Video Channels
- > Supports recording of up to 12MP (3840 x 2160) Resolution
- > HDMI Display Output up to 4K(8MP) Resolution
- > Easy Plug and Play Functionality with Automatic Device Discovery and Display
- > Supports Cloud Upgrade for Recorder and Cameras, with Automatic Detection of Latest Firmware and Upgrades, and is ONVIF Profile S Compliant
- > Supported by uniview tec Guard Station Client Software as well as Guard Live and Guard Viewer Mobile App's for iPhone and Android Devices

## Specifications

| Video & Audio Inputs          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| IP Video Input                | 8-ch                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Analog Video Input            | 16-ch, BNC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Max IP Video Input            | 36-ch                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| BNC Audio Input               | 24-ch, Channel Audio                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Video & Audio Outputs         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| VGA Output                    | 1920 × 1080/60 Hz, 1920 × 1080/50 Hz, 1600 × 1200/60 Hz, 1280 × 1024/60 Hz, 1280 × 720/60 Hz, 1024 × 768/60 Hz                                                                                                                                                                                                                                                                                                                                                                                                                    |
| HDMI Output                   | 4K (3840 × 2160)/30 Hz, 1920 × 1080/60 Hz, 1920 × 1080/50 Hz, 1600 × 1200/60 Hz, 1280 × 1024/60 Hz, 1280 × 720/60 Hz, 1024 × 768/60 Hz                                                                                                                                                                                                                                                                                                                                                                                            |
| Supported Analog Camera Types | <p>Support AHD input:</p> <p>8MP@15fps</p> <p>5MP@20fps</p> <p>5MP@12fps</p> <p>4MP@30fps</p> <p>4MP@25fps</p> <p>4MP@15fps</p> <p>1080P@30fps</p> <p>1080P@25fps</p> <p>720P@30fps</p> <p>720P@25fps</p> <p>Support TVI input:</p> <p>8MP@15fps</p> <p>8MP@12fps</p> <p>3K@20fps</p> <p>5MP@20fps</p> <p>5MP@12fps</p> <p>4MP@30fps</p> <p>4MP@25fps</p> <p>4MP@15fps</p> <p>1080P@30fps</p> <p>1080P@25fps</p> <p>720P@30fps</p> <p>720P@25fps</p> <p>Support CVI input:</p> <p>8MP@15fps</p> <p>8MP@12fps</p> <p>5MP@25fps</p> |

|                             |                                                                                                                                                                                                             |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                             | 5MP@20fps<br>4MP@30fps<br>4MP@25fps<br>1080P@30fps<br>1080P@25fps<br>720P@30fps<br>720P@25fps<br>Support CVBS input                                                                                         |
| Audio Output                | 16-ch                                                                                                                                                                                                       |
| RCA Audio Output            | 1-ch                                                                                                                                                                                                        |
| Audio Compression           | G.711A, G.711U                                                                                                                                                                                              |
| Synchronous Playback        | 1 / 4 / 9 / 16                                                                                                                                                                                              |
| Live view display           | 1 / 4 / 6 / 8 / 9 / 16 / 25                                                                                                                                                                                 |
| <b>Network</b>              |                                                                                                                                                                                                             |
| Incoming Bandwidth          | 80Mbps                                                                                                                                                                                                      |
| Outgoing Bandwidth          | 160Mbps                                                                                                                                                                                                     |
| Remote Users                | 128                                                                                                                                                                                                         |
| Protocols                   | TCP/IP; P2P; UPnP; NTP; DHCP; PPPoE; HTTP; HTTPS; DNS; DDNS; SNMP; SMTP; RTSP; IPv6; IPv4                                                                                                                   |
| Supported Browsers          | IE(IE10/11) for Windows;<br>Firefox (version 52.0 and above) for Windows;<br>Chrome(version 45 and above) for Windows;<br>Edge(version 79 and above) for Windows                                            |
| <b>Snapshot</b>             |                                                                                                                                                                                                             |
| FTP/Schedule/Event Snapshot | 24-ch snapshot (max. 8 MP (3840 × 2160) video resolution, with 4CIF snapshot resolution)                                                                                                                    |
| <b>Decoding</b>             |                                                                                                                                                                                                             |
| Decoding format             | H.265 / H.264                                                                                                                                                                                               |
| Live view/Playback          | 8MP/6MP/5MP/4MP/3MP/1080P/960P/720P/D1/2CIF/CIF                                                                                                                                                             |
| <b>Hard Disk Drives</b>     |                                                                                                                                                                                                             |
| SATA                        | 2 SATA Interface                                                                                                                                                                                            |
| Capacity                    | Up to 24TB for each HDD                                                                                                                                                                                     |
| <b>System Alarm</b>         |                                                                                                                                                                                                             |
| General Alarm               | Motion                                                                                                                                                                                                      |
| Alert Alarm                 | IP Conflict; Network Disconnected; Disk Offline; Disk Abnormal; Illegal Access; Hard Disk Space Low; Hard Disk Full; Recording/Snapshot Abnormal                                                            |
| <b>Smart Features</b>       |                                                                                                                                                                                                             |
| VCA Search by Camera        | Face Detection, SIP (Intrusion Detection, Cross Line Detection, Enter Area, Leave Area), Defocus Detection, Scene Change Detection, Object Removed, Object Left Behind, Auto Tracking, People Flow Counting |
| VCA Search                  | Face Search, Behavior Search, People Counting Report                                                                                                                                                        |
| Search by Image             | N/A                                                                                                                                                                                                         |
| AcuTrack/AcuSearch          | N/A                                                                                                                                                                                                         |

|                           |                                                                      |
|---------------------------|----------------------------------------------------------------------|
| Smart by Camera           | All Channels                                                         |
| SIP by NVR                | 4-ch                                                                 |
| UMD by NVR                | 16-ch                                                                |
| <b>External Interface</b> |                                                                      |
| Network Interface         | 1 RJ45 10M/100M/1000M self-adaptive Ethernet Interface               |
| USB Interface             | Front panel: 1 × USB2.0, Rear panel: 1 × USB3.0                      |
| Alarm In                  | 4-ch                                                                 |
| Alarm Out                 | 1-ch                                                                 |
| <b>PoE</b>                |                                                                      |
| Interface                 | 1 RJ45 10M/100 self-adaptive Ethernet Interface                      |
| Supported Standard        | IEEE 802.3at, IEEE 802.3af                                           |
| <b>General</b>            |                                                                      |
| Power Supply              | DC 12 V/ 3.3 A; Power Consumption: ≤ 12W (without HDD)               |
| Working Environment       | -10°C ~ + 55°C ( +14°F ~ +131°F ), Humidity ≤ 90% RH(non-condensing) |
| Dimensions (W × D × H)    | 380mm x 325.9mm x 53mm<br>(15.0" x 12.8" x 2.1")                     |
| Weight ( without HDD )    | ≤2.1 Kg ( 4.6lb )                                                    |
| Certifications            | CE, FCC, UL, RoHS, WEEE                                              |

## Dimensions

