

XRN-1610A

16CH Network Video Recorder

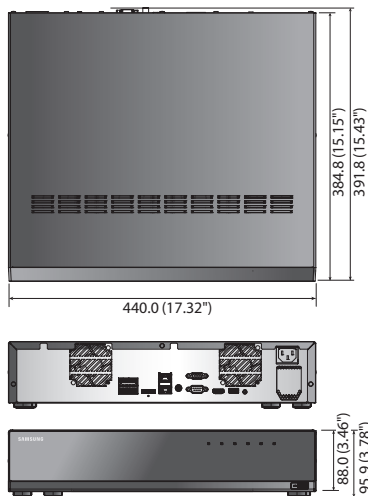


Key Features

- Up to 16CH 12megapixel supported
- H.265, H.264, MJPEG codec supported
- WiseStream support
- 180Mbps network camera recording
- Max. 8HDDs, e-SATA storage supported
- HDMI / VGA local monitor
- P2P service (QR code connect) support

Dimensions

Unit : mm (inch)



XRN-1610A

| DISPLAY | | |
|----------------------------|---|---|
| Video | Inputs / Resolution | Up to 16CH / CIF ~ 12MP |
| | Protocols | Samsung, ONVIF |
| | Local Display | 1x HDMI, 1x VGA dual monitor |
| Live | Multi Screen Display | [Local monitor] 1 / 2V / 3V / 4 / 6 / 8 / 9 / 13 / 16 / Auto sequence, [Web] 1 / 4 / 9 / 16 / Auto sequence |
| | Performance | [Local monitor] 12MP (30fps), 8MP (120fps), 5MP (180fps), 3MP (240fps), 2MP (480fps), 720p (480fps), D1 (480fps) [Web] 5MP (30fps), 3MP (60fps), 2MP (120fps), 720p (240fps), D1 (480fps) |
| | | |
| PERFORMANCE | | |
| Operating System | Embedded | Linux |
| Recording | Compression | H.265, H.264, MJPEG, WiseStream (H.265, H.264) |
| | Recording Bandwidth | 180Mbps |
| | Resolution | CIF ~ 12MP |
| | Mode | Manual, Schedule (Continuous / Event), Event (Pre / Post) |
| Search & Playback | Event Trigger | Alarm input (8), Video loss, Camera event (Sensor, MD, Video analytics), VA event (Tampering, Enter / Exit, Passing, Virtual-line, (Dis)Appear, Face detection, Audio Detection), Defocus camera event |
| | Event Action | E-mail, PTZ preset, Alarm out, Buzzer, Monitor out |
| | Playback Bandwidth | 32Mbps (16CH simultaneously) |
| | Performance | Max. 4 users (Set 1, Remote 3) |
| Storage | Mode | Date & Time (Calendar) / Event log list / Text search (POS, ANPR) |
| | Simultaneous Playback | Max. 16CH (Local monitor, Network) |
| | Resolution | CIF ~ 12MP |
| | Fish-eye Dewarping | Processed on Web / CMS |
| Backup | Playback Control | Fast/Slow Forward/Backward, Move one step up/down |
| | Default Built-in | 0TB ~ 6TB |
| | Internal / External | 8 SATA (Max. 48TB) / 1 e-SATA, iSCSI (Max. 384TB * PROMISE VESSRAID R2600) |
| Sensor | File Backup | BU/EXE (GUI), JPG/AVI (Network) |
| | Function | Max. 16CH play, Date-time/title display |
| Audio | Input / Output | 8 / 4 (NO/NC selectable) |
| | Input / Compression | 16CH (Network) / G.711, G.726, AAC (16/48KHz) |
| | Audio Communication | 2-way (Pass-through between camera and SSM) |
| NETWORK | | |
| Protocol Support | | TCP/IP, UDP/IP, RTP (UDP), RTP (TCP), RTSP, NTP, HTTP, DHCP (Server, Client), PPPoE, SMTP, ICMP, IGMP, ARP, DNS, DDNS, uPnP, HTTPS, SNMP, ONVIF (Profile-S), SUNAPI (Server, Client) |
| DDNS | | iPOLiS DDNS |
| Transmission Bandwidth | | Max. 256Mbps (iSCSI off) (128Mbps, iSCSI on) |
| Max. Remote Users | | Search 3 / Live unicast 10 / Live multicast 20 |
| IP | | IPv4 / IPv6 |
| Security | | IP address filtering, User access log, 802.1x authentication, Encryption (ID/PW, Recording, Transmission, Backup) |
| Language | GUI / Web | English, French, German, Italian, Spanish, Russian, Turkish, Polish, Dutch, Swedish, Czech, Portuguese, Danish, Rumanian, Serbian, Croatian, Hungarian, Greek, Norwegian, Finnish, Korean, Chinese, Japanese, Thai (GUI) |
| OS | | Supported OS : Window XP (Service pack 2 or above), Vista, 7, 8, 10, Mac OS X (10.7 or above) |
| Web Browser | | Plug-in free Webviewer - Supported Browser : Google Chrome 47, MS Edge 20 - WMF : 1CH live (800 x 600), Setup Plug-in Webviewer - Supported Browser : MS Explore 11, Mozilla Firefox 43, Apple Safari 9 * Mac OS X only |
| Viewer Software | Type | SSM, Webviewer, SmartViewer, iPOLiS mobile viewer |
| | CMS Support | SDK / CGI (SUNAPI) |
| FUNCTIONS | | |
| Camera Setup | Register | Auto mode, Manual mode |
| | Setup Items | 1) IP address, Add profile edit, Bitrate, Compression, GOP, Quality |
| | | 2) Camera event setup - MD, VA : Tampering, Enter / Exit, Passing (Virtual-line), (Dis)Appear, Face detection, Audio detection |
| | | 3) Video setup (Simple focus, Brightness / Contrast, Flip / Mirror, IRIS, WDR, D&N, SSSNR, Shutter, SSSDR, DIS) |
| | 4) Fisheye dewarping, Hallway view setup, Camera webpage | |
| Easy Configuration | | Setup Wizard (Language Date/Time, Network, Auto camera configuration), P2P (QR code) |
| ARB (Auto Recovery Backup) | | Yes |
| PTZ | Control / Preset | Via GUI, Webviewer, SPC-2000 (USB) / 255 presets |
| Smart Phone | OS | Android, iOS |
| | Protocol Support | RTP, RTSP, HTTP, CGI (SUNAPI) |
| | Control | Live (16CH) : Multi-profile support, Playback (1CH, Max. 2MP) |
| | Max. Remote Users | Search 3 / Live unicast 10 / Live multicast 20 |
| System Control | | Mouse, IR Remocon, Web, SPC-2000 (USB) |
| INDICATOR / INTERFACE | | |
| Front | Indicator | Power status LED 1ea, HDD action LED 1ea, Alarm status LED 1ea |
| | Record status LED 1ea, Network action LED 1ea, Backup LED 1ea | |
| Connections | USB | 2ea (Front 1ea / Rear 1ea) |
| | HDMI | Main : 1ea (Both support Live / PB / Setup) Support up to 4K (3840 x 2160, Single monitor mode) |
| | VGA | Sub : 1ea (Support Live screen up to 16 div. mode) |
| | Audio / Serial | Out 1ea (RCA, Line) / 1ea for UPS (Plan to support as project basis) |
| | Ethernet | 2ea (LAN/WAN, 1Gbps) - LAN : Downlink to camera / PoE (PoE+) Hub - WAN : Uplink to CMS |
| | Alarm | In 8ea (Terminal block) / Out 4ea (Terminal block) |
| | Reset / Power Cord | Yes (Factory reset, Alarm reset) / Included |
| SYSTEM | | |
| Log | Log List | Max. 20,000 (System log, Event log each) |
| GENERAL | | |
| Electrical | Input Voltage / Current | 100 ~ 240V AC |
| | Power Consumption | Max. 76.3W (8 HDDs) |
| Environmental | Operating Temperature | +0°C ~ +40°C (+32°F ~ +104°F) |
| | Operating Humidity | 20% ~ 85% RH |
| Mechanical | Color / Material | Black / Metal |
| | Dimensions (WxHxD) | 440.0 x 88.0 x 384.8mm (17.32" x 3.46" x 15.15") (2U) |
| | Weight | 5.44Kg (11.99 lb) |

* The latest product information / specification can be found at hanwha-security.com

* Design and specifications are subject to change without notice.

* Wisenet is the proprietary brand of Hanwha Techwin.