



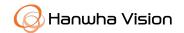
LRN-1610S

16CH 5MP H.265 NVR with PoE Switch



Key Features

- Up to 16CH 5MP
- H.265, H.264, MJPEG codec
- 100Mbps network camera recording
- Plug & play by 16 PoE ports
- Up to 2 SATA (12TB)
- HDMI local monitor
- P2P service (QR code connect)



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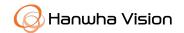




Specifications

| Display | | |
|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|
| Network camera | Inputs | Max. 16CH |
| | Resolution | 5MP ~ CIF |
| | Protocols | Wisenet, ONVIF |
| Decoding | Local Display | HDMI: 1920x1080, 1280x720 |
| | Resolution | 5MP(90fps), 3MP(120fps), 2MP(2400fps),720p(480fps), D1(480fps) |
| Performance | | |
| Record | Compression | H.265, H.264, MJPEG |
| | Recording Bandwidth | Max. 100Mbps |
| | Resolution | 5MP ~ CIF |
| | Mode | Normal, Schedule(Continuous/Event), Event (Pre/Post), Dual track Recording |
| | Event Trigger | Alarm Input, Video Loss, Camera Event(Alarm, MD, Video Analytics, Defocus) |
| | Event Action | e-Mail, PTZ Preset, Buzzer, Monitor Out |
| | Playback Bandwidth | Max. 32Mbps(16CH simultaneously) |
| | User | Max. 4 Users (Local 1, Remote 3) |
| Search & Play | Simultaneous playback | Max. 16CH(Network) Max. 8CH(Local Monitor) |
| | Fisheye Dewarping | WEB / CMS / Mobile |
| Storage | Supported HDD | Up to 6TB |
| | HDD Slot | SATA 2ea(Max. 12TB) |
| Backup | File backup | BU/Exe(GUI), JPG/AVI(Network) |
| | Function | Multi channel(Upto 8CH) Play, Date-Time/Title display |
| Network | | |
| Protocol | IPv4, IPv6, 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 | Wisenet DDNS | |
| Audio | Input/Output | 16CH(network) |
| | Compression | G.711, G.726, AAC(16/48KHz) |
| | Audio Communication | 2-Way |
| Max Remote Users | Search(3), Live Unicast(10), Multicast(20) | |
| Security | HTTPS(SSL) Login Authentication Digest Login Authentication IP Address Filtering User access log 802.1X Authentication(EAP-TLS, EAP-LEAP) Device Certificate(Hanwha Techwin Root CA) | |
| Viewer Software | SSM, Webviewer, Smart Viewer, Wisenet mobile Support SDK/CGI(SUNAPI) for integration to 3'rd party VMS | |

Design and specifications are subject to change without notice. The latest product information / specification can be found at HanwhaVision.com Hanwha Vision is formerly known as Hanwha Techwin.



| Functions | | | |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Camera Setup | ltem | IP address, Add profile edit, Bitrate, Compression, GOP, Quality, Camera MD setup, Wisestream, Dynamic GOV/FPS, VA Setup Camera video setup (Simple focus, Brightness/Contrast Flip/Mirror, IRIS, WDR, D&N, SSNR, Shutter, SSDR, DIS), Fisheye Dewarping Mode, Hallway View Setup, Camera Webpage | |
| PTZ | Control | Via GUI, Webviewer | |
| Smart phone | Support Model | iOS, Android | |
| | Protocol Support | RTP, RTSP, HTTP, HTTPS, CGI(SUNAPI) | |
| | Control | Live(Multi-Profile Support), Playback | |
| | Max. Remote Users | Search(3), Live Unicast(10) | |
| Redundancy | ARB | Support | |
| Easy configuration | P2P(QR code) | | |
| Interface | | | |
| HDMI | 1EA | | |
| Ethernet | RJ-45(10/100/1000BASE-T) x 1 RJ-45(PoE+) x 16 | | |
| USB | 2EA(Front 1, Rear 1) | | |
| Power inlet | AC 1EA | | |
| System | | | |
| System Control | Mouse, IR remocon, Web | | |
| Language | English, French, German, Italian, Spanish, Russian, Turkish, Polish, Dutch, Swedish, Czech, Portugues Danish, Rumanian, Serbian, Croatian, Hungarian, Greek, Norwegian, Finnish, Korean, Chinese, Japanese, Thai, Vietnamese | | |
| Environmental | | | |
| Operating Temperature | 0°C to +40°C(32°F to 104°F) | | |
| Operating Humidity | 20% ~ 85% RH | | |
| Electrical | | | |
| Power Input | 100~240VAC±10% | | |
| Power Consumption | Max. 158.2W(2HDDs, PoE on) Max. 34.6W(2HDDs, PoE off) | | |
| PoE Budget | Max. 130W | | |
| Mechanical | | | |
| Color / Material | Black / Metal | | |
| Dimension (WxHxD) | W370.0 x H44.0 x D320 mm (14.57" x 1.73" x 12.6") (1U) | | |
| Weight | 2.79Kg (6.15lb) | | |