WISENET Q series

## **QRN-810S**

8Ch Network Video Recorder with built-in PoE Switch



| DISPLAY   |  | QRN-8105   |
|---|--|--|
|   | Inputs   | Max.8ch  |
| Network   | Resolution   | CIF~8MP  |
| Camera  | Protocols  | Wisenet, ONVIF (Profile-S)   |
|   | Local Display  | 1xHDMI   |
|   |  |  |
| Live  | Multi-Channel Display  | [Local Monitor] 1/2H/2V/3V/4/6/8/Auto Sequence<br>[Web] 1/4/8/Auto Sequence  |
|   | Performance  | [Local Monitor] 8MP (60fps)  |
|   |  | 5MP (90fps), 3MP (120fps), 2MP (240fps), 720p (240fps), D1 (240f   |
| PERFORMANCE   |  |  |
| Operating System  |  |  |
|   | Compression  | H.265, H.264, MJPEG  |
| Record<br>Search & Play   | Recording Bandwidth<br>Resolution  | Max.80Mbps<br>CIF~8MP  |
|   | Туре   | Manual, Schedule (Continuous / Event), Event (Pre / Post)  |
|   | EventTrigger   | Video Loss, Camera event (Sensor, MD, Video analytics, Defocus)  |
|   | Event Action   | e-Mail, PTZ Preset, Buzzer, Monitor Out  |
|   | Playback Bandwidth   | 32Mbps (8ch simultaneously)  |
|   | Performance  | Max. 3 Users (Local 1, Remote 3)   |
|   | Mode   | Date & Time (Calendar), Event Log list, Text Search (POS), ARB Search,   |
|   |  | Smart Search (Virtual Line w / direction, Enter / Exit)  |
|   | Simultaneous playback  | Max. 8ch (Local, Network)  |
|   | Resolution   | CIF~8MP  |
|   | Fish-Eye Dewarping<br>Playback Control   | N/A (processed on Web / CMS)<br>Fast / Slow Forward / Backward, Move one step Up / Down  |
|   | Default Built-In   | 0~6TB  |
| Storage   | Internal   | 1 (Max.6TB)  |
| De else se  | File backup  | BU / Exe (USB), JPG / AVI (Web, CMS)   |
| Backup  | Function   | Multi channel (Upto 8ch) Play, Date-Time / Title display   |
| Sensor  | I/O  | N/A  |
|   | Input  | 8 ch (network)   |
| Audio   | Compression  | G.711, G.726, AAC (16/48KHz)   |
|   | Audio Communication  | 2-Way  |
| NETWORK   |  |  |
| )voto c-l   |  | LICP/IP, UDP/IP, RTP (UDP), RTP (TCP), RTSP, NTP, HTTP, DHCP (Server, Client),   |
| Protocol  |  | TCP / IP, UDP / IP, RTP (UDP), RTP (TCP), RTSP, NTP, HTTP, DHCP (Server, Client),<br>PPPoE, SMTP, ICMP, IGMP, ARP, DNS, DDNS, uPnP, HTTPS, SNMP, ONVIF (Profile<br>SUNAPI (Server, Client)   |
| DDNS  |  | Hanwha Security DDNS   |
| DDNS<br>Transmission Bandwidth  |  | 80Mbps   |
| Max Remote Use  |  | Search (3), Live Unicast (10), Multicast (20)  |
| P Version   |  | IPv4/IPv6  |
| Security  |  | User access Log, IP Filtering, 802.1x, Encryption  |
| ,   |  | English, French, German, Italian, Spanish, Russian, Turkish, Polish, Dutch, Swed   |
| Language  | GUI  | Czech, Portuguese, Danish, Rumanian, Serbian, Croatian, Hungarian, Greek,<br>Norwegian, Finnish, Korean, Chinese (Simplified), Japanese, Thai  |
|   |  | Norwegian, Finnish, Korean, Chinese (Simplified), Japanese, Thai   |
|   | Web  | English, French, German, Italian, Spanish, Kussian, Turkish, Polish, Dulch, Swear<br>Czech Portuguese Danish Rumanian Serbian Croatian Hungarian Greek   |
|   | WCD  | English, French, German, Italian, Spanish, Russian, Turkish, Polish, Dutch, Swedi<br>Czech, Portuguese, Danish, Rumanian, Serbian, Croatian, Hungarian, Greek,<br>Norwegian, Finnish, Korean, Chinese (Simplified), Japanese, Thai   |
| OS  |  | Windows 7, 8, 10, Mac OS X 10.9. 10.10. 10.11  |
| Web Browser   |  | Plug-in free web viewer : Google Chrome 47, MS Edge 20   |
|   | _  | Plug-in Webviewer : MS Explorer 11, Apple Safari 9 (Mac OS X only)   |
| /iewer  | Туре   | SSM, Webviewer, Smart Viewer, Wisenet Mobile<br>Support SDK/CGI (SUNAPI)   |
| oftware   | CMS Support  | Support SDR/ CGI (SUNAPI)  |
| UNCTIONS  | Dogistor   | PnP, Manual  |
|   | Register   | I PhP, Manual<br>IP address, Add profile edit, Bitrate, Compression, GOP, Quality, Camera MD se  |
| Camera Setup  |  | Camera video setup (Simple focus Brightness/Contrast Flip/Mirror IRIS WD   |
| camera becap  | Setup Items  | Camera video setup (Simple focus, Brightness / Contrast, Flip / Mirror, IRIS, WD<br>D&N, SSNR, Shutter, SSDR, DIS), Fisheye Dewarping setup, Hallway View Setup  |
|   |  | Camera Webpage   |
|   | PoF  | Monitor PoE Power consumption, On / Off Control for each PoE camera, Remo  |
| amera Control   | I VL   | Reset for each PoE camera  |
| Camera Control  |  |  |
|   | on   | Setup Wizard (Date / Time, Network, Auto Camera Configuration)   |
| Easy Configurati  | on   | P2P (QR code)  |
| Easy Configurati<br>ARB   |  | P2P (QR code)<br>Yes   |
| asy Configurati   | Control  | P2P (QR code)<br>Yes<br>Via GUI, Webviewer, 255 preset   |
| Easy Configurati<br>ARB<br>PTZ  | Control<br>Support Model   | P2P (QR code)<br>Yes<br>Via GUI, Webviewer, 255 preset<br>iPhone, Android  |
| Easy Configurati<br>ARB<br>PTZ  | Control  | P2P (QR code)<br>Yes<br>Via GUI, Webviewer, 255 preset   |
| Easy Configurati<br>ARB<br>PTZ  | Control<br>Support Model<br>Protocol Support   | P2P (QR code)<br>Yes<br>Via GUI, Webviewer, 255 preset<br>iPhone, Android<br>RTP, RTSP, HTTP, CGI (SUNAPI)   |
| asy Configurati<br>ARB<br>TZ<br>Smart phone   | Control<br>Support Model<br>Protocol Support<br>Control  | P2P (QR code)<br>Yes<br>Via GUI, Webviewer, 255 preset<br>iPhone, Android<br>RTP, RTSP, HTTP, CGI (SUNAPI)<br>Live (8ch): Multi-Profile Support, Playback (4ch), Event push  |
| Easy Configurati<br>ARB<br>PTZ<br>Smart phone<br>System Control   | Control<br>Support Model<br>Protocol Support<br>Control<br>Max. Remote Users   | P2P (QR code)<br>Yes<br>Via GUI, Webviewer, 255 preset<br>iPhone, Android<br>RTP, RTSP, HTTP, CGI (SUNAPI)<br>Live (8ch): Multi-Profile Support, Playback (4ch), Event push<br>Search (3), Live Unicast (10), Multicast (20)   |
| asy Configurati<br>ARB<br>TZ<br>Smart phone<br>System Control<br>NDICATOR / IN  | Control<br>Support Model<br>Protocol Support<br>Control<br>Max. Remote Users<br>TERFACE  | P2P (QR code)   Yes   Ya GUI, Webviewer, 255 preset   iPhone, Android   RTP, RTSP, HTTP, CGI (SUNAPI)   Live (8ch), Nulti-Profile Support, Playback (4ch), Event push   Search (3), Live Unicast (10), Multicast (20)   Mouse, Web, IR Remote control   LED (Status indicator) : 3ea   |
| asy Configurati<br>ARB<br>2TZ<br>5mart phone<br>5ystem Control<br>NDICATOR / IN   | Control<br>Support Model<br>Protocol Support<br>Control<br>Max. Remote Users<br>TERFACE<br>Indicator   | P2P (QR code)   Yes   Ya GUI, Webviewer, 255 preset   iPhone, Android   RTP, RTSP, HTTP, CGI (SUNAPI)   Live (8ch): Multi-Profile Support, Playback (4ch), Event push   Search (3), Live Unicast (10), Multicast (20)   Mouse, Web, IR Remote control   LED (Status indicator): 3ea   Power Status 1, LAN 1, Record 1  |
| asy Configurati<br>ARB<br>2TZ<br>5mart phone<br>5ystem Control<br>NDICATOR / IN   | Control<br>Support Model<br>Protocol Support<br>Control<br>Max. Remote Users<br>TERFACE<br>Indicator<br>VGA  | P2P (QR code)   Yes   Via GUI, Webviewer, 255 preset   iPhone, Android   RTP, RTSP, HTTP, CGI (SUNAPI)   Live (8ch): Multi-Profile Support, Playback (4ch), Event push   Search (3), Live Unicast (10), Multicast (20)   Mouse, Web, IR Remote control   LED (Status indicator) : 3ea   Power Status 1, LAN 1, Record 1   N/A  |
| asy Configurati<br>ARB<br>2TZ<br>5mart phone<br>5ystem Control<br>NDICATOR / IN   | Control<br>Support Model<br>Protocol Support<br>Control<br>Max.Remote Users<br>TERFACE<br>Indicator<br>VGA<br>HDMI   | P2P (QR code)   Yes   Ya GUI, Webviewer, 255 preset   iPhone, Android   RTP, RTSP, HTTP, CGI (SUNAPI)   Live (8ch): Multi-Profile Support, Playback (4ch), Event push   Search (3), Live Unicast (10), Multicast (20)   Mouse, Web, IR Remote control   LED (Status indicator): 3ea   Power Status 1, LAN 1, Record 1   N/A   1 EA (3840 x 2160, 1920x1080, 1280x720)  |
| asy Configurati<br>ARB<br>2TZ<br>5mart phone<br>5ystem Control<br>NDICATOR / IN   | Control<br>Support Model<br>Protocol Support<br>Control<br>Max. Remote Users<br>TERFACE<br>Indicator<br>VGA  | P2P (QR code)   Yes   Yes   Via GUI, Webviewer, 255 preset   iPhone, Android   RTP, RTSP, HTTP, CGI (SUNAPI)   Live (8ch): Multi-Profile Support, Playback (4ch), Event push   Search (3), Live Unicast (10), Multicast (20)   Mouse, Web, IR Remote control   LED (Status indicator): 3ea   Power Status 1, LAN 1, Record 1   N/A   1 EA (3840 x 2160, 1920x1080, 1280x720)   N/A   |
| Camera Control<br>Easy Configurati<br>ARB<br>PTZ<br>Somart phone<br>System Control<br>NDICATOR / IN<br>Front  | Control<br>Support Model<br>Protocol Support<br>Control<br>Max.Remote Users<br>TERFACE<br>Indicator<br>VGA<br>HDMI   | P2P (QR code)   Yes   Ya GUI, Webviewer, 255 preset   iPhone, Android   RTP, RTSP, HTTP, CGI (SUNAPI)   Live (8ch): Multi-Profile Support, Playback (4ch), Event push   Search (3), Live Unicast (10), Multicast (20)   Mouse, Web, IR Remote control   LED (Status indicator): 3ea   Power Status 1, LAN 1, Record 1   N/A   1 EA (3840 x 2160, 1920x1080, 1280x720)   N/A   BEA (PoE, 100Mbos)   |
| Easy Configurati<br>ARB<br>2TZ<br>Smart phone<br>System Control<br>NDICATOR / IN<br>Front   | Control<br>Support Model<br>Protocol Support<br>Control<br>Max. Remote Users<br>TERFACE<br>Indicator<br>VGA<br>HDMI<br>Audio<br>Ethernet   | P2P (QR code)   Yes   Ya GUI, Webviewer, 255 preset   iPhone, Android   RTP, RTSP, HTTP, CGI (SUNAPI)   Live (8ch): Nulti-Profile Support, Playback (4ch), Event push   Search (3), Live Unicast (10), Multicast (20)   Mouse, Web, IR Remote control   LED (Status indicator): 3ea   Power Status 1, LAN 1, Record 1   N/A   1 EA (3840 x 2160, 1920x1080, 1280x720)   N/A   8EA (PoE, 100Mbps)   1EA (WAN, 1Gbps)- WAN: Uplink to CMS  |
| Easy Configurati<br>ARB<br>2TZ<br>Smart phone<br>System Control<br>NDICATOR / IN<br>Front   | Control<br>Support Model<br>Protocol Support<br>Control<br>Max. Remote Users<br>TERFACE<br>Indicator<br>VGA<br>HDMI<br>Audio<br>Ethernet<br>Alarm  | P2P (QR code)   Yes   Ya GUI, Webviewer, 255 preset   iPhone, Android   RTP, RTSP, HTTP, CGI (SUNAPI)   Live (8ch): Multi-Profile Support, Playback (4ch), Event push   Search (3), Live Unicast (10), Multicast (20)   Mouse, Web, IR Remote control   LED (Status indicator): 3ea   Power Status 1, LAN 1, Record 1   N/A   1 EA (3840 x 2160, 1920x1080, 1280x720)   N/A   BEA (PoE, 100Mbps)   1EA (WAN, 1Gbps) - WAN : Uplink to CMS   N/A  |
| Easy Configurati<br>ARB<br>2TZ<br>Smart phone<br>System Control<br>NDICATOR / IN<br>Front   | Control<br>Support Model<br>Protocol Support<br>Control<br>Max. Remote Users<br>TERFACE<br>Indicator<br>VGA<br>HDMI<br>Audio<br>Ethernet<br>Alarm<br>USB   | P2P (QR code)   Yes   Yia GUI, Webviewer, 255 preset   iPhone, Android   RTP, RTSP, HTTP, CGI (SUNAPI)   Live (8ch): Multi-Profile Support, Playback (4ch), Event push   Search (3), Live Unicast (10), Multicast (20)   Mouse, Web, IR Remote control   LED (Status indicator): 3ea   Power Status 1, LAN 1, Record 1   N/A   1 EA (3840 x 2160, 1920x1080, 1280x720)   N/A   BEA (PoE, 100Mbps)   1EA (WAN, 1Gbps) - WAN: Uplink to CMS   N/A  |
| Easy Configurati<br>ARB<br>27Z<br>Smart phone<br>System Control<br>NDICATOR / IN<br>Front   | Control<br>Support Model<br>Protocol Support<br>Control<br>Max. Remote Users<br>TERFACE<br>Indicator<br>VGA<br>HDMI<br>Audio<br>Ethernet<br>Alarm<br>USB<br>Ext. Storage   | P2P (QR code)   Yes   Ya GUI, Webviewer, 255 preset   iPhone, Android   RTP, RTSP, HTTP, CGI (SUNAPI)   Live (8ch): Nulti-Profile Support, Playback (4ch), Event push   Search (3), Live Unicast (10), Multicast (20)   Mouse, Web, IR Remote control   LED (Status indicator): 3ea   Power Status 1, LAN 1, Record 1   N/A   1 EA (3840 x 2160, 1920x1080, 1280x720)   N/A   SEA (PoE, 100Mbps)   1 EA (WAN, 1Gbps) - WAN : Uplink to CMS   N/A   Front 1EA (USB2.0), Rear 1 (USB3.0)   N/A   |
| Easy Configurati<br>ARB<br>2TZ<br>Smart phone<br>System Control<br>NDICATOR / IN<br>Front   | Control<br>Support Model<br>Protocol Support<br>Control<br>Max. Remote Users<br>TERFACE<br>Indicator<br>VGA<br>HDMI<br>Audio<br>Ethernet<br>Alarm<br>USB<br>Ext. Storage<br>Serial   | P2P (QR code)     Yes     Via GUI, Webviewer, 255 preset     iPhone, Android     RTP, RTSP, HTTP, CGI (SUNAPI)     Live (8ch): Multi-Profile Support, Playback (4ch), Event push     Search (3), Live Unicast (10), Multicast (20)     Mouse, Web, IR Remote control     IED (Status indicator): 3ea     Power Status 1, LAN 1, Record 1     N/A     N/A     8EA (PoE, 100Mbps)     IEA (WAN, 1Gbps): -WAN: Uplink to CMS     N/A     Front 1EA (USB2.0), Rear 1 (USB3.0)     N/A  |
| Easy Configurati<br>ARB<br>2TZ<br>Smart phone<br>System Control<br>NDICATOR / IN<br>Front   | Control<br>Support Model<br>Protocol Support<br>Control<br>Max. Remote Users<br>TERFACE<br>Indicator<br>VGA<br>HDMI<br>Audio<br>Ethernet<br>Alarm<br>USB<br>Ext. Storage<br>Serial<br>Reset  | P2P (QR code)   Yes   Ya GUI, Webviewer, 255 preset   iPhone, Android   RTP, RTSP, HTTP, CGI (SUNAPI)   Live (8ch): Nulti-Profile Support, Playback (4ch), Event push   Search (3), Live Unicast (10), Multicast (20)   Mouse, Web, IR Remote control   LED (Status indicator): 3ea   Power Status 1, LAN 1, Record 1   N/A   1 EA (3840 x 2160, 1920x1080, 1280x720)   N/A   8EA (PoE, 100Mbps)   1EA (WAN, 1Gbps) - WAN : Uplink to CMS   N/A   Front 1EA (USB2.0), Rear 1 (USB3.0)   N/A  |
| Easy Configurati<br>ARB<br>27Z<br>Smart phone<br><u>System Control</u><br>NDICATOR / IN<br>Front  | Control<br>Support Model<br>Protocol Support<br>Control<br>Max. Remote Users<br>TERFACE<br>Indicator<br>VGA<br>HDMI<br>Audio<br>Ethernet<br>Alarm<br>USB<br>Ext. Storage<br>Serial   | P2P (QR code)   Yes   Yia GUI, Webviewer, 255 preset   iPhone, Android   RTP, RTSP, HTTP, CGI (SUNAPI)   Live (8ch): Multi-Profile Support, Playback (4ch), Event push   Search (3), Live Unicast (10), Multicast (20)   Mouse, Web, IR Remote control   LED (Status indicator): 3ea   Power Status 1, LAN 1, Record 1   N/A   1 EA (3840 x 2160, 1920x1080, 1280x720)   N/A   EKA (PoE, 100Mbps)   1EA (WAN, 1Gbps) - WAN: Uplink to CMS   N/A  |
| Easy Configurati<br>ARB<br>27Z<br>Smart phone<br>5ystem Control<br>NDICATOR / IN<br>Front<br>Connectors<br>SYSTEM   | Control<br>Support Model<br>Protocol Support<br>Control<br>Max. Remote Users<br>TERFACE<br>Indicator<br>VGA<br>HDMI<br>Audio<br>Ethernet<br>Alarm<br>USB<br>Ext. Storage<br>Serial<br>Reset<br>Power Cord  | P2P (QR code)   Yes   Yes   Ya GUI, Webviewer, 255 preset   iPhone, Android   RTP, RTSP, HTTP, CGI (SUNAPI)   Live (8ch): Nulti-Profile Support, Playback (4ch), Event push   Search (3), Live Unicast (10), Multicast (20)   Mouse, Web, IR Remote control   LED (Status indicator): 3ea   Power Status 1, LAN 1, Record 1   N/A   1EA (3840 x 2160, 1920x1080, 1280x720)   N/A   8EA (PoE, 100Mbps)   1EA (WAN, 1Gbps) - WAN: Uplink to CMS   N/A   Front 1EA (USB2.0), Rear 1 (USB3.0)   N/A   N/A   Switch (1EA)   Included  |
| Easy Configurati<br>ARB<br>TZ<br>Smart phone<br>System Control<br>NDICATOR / IN<br>Front<br>Connectors<br>SYSTEM<br>.og   | Control<br>Support Model<br>Protocol Support<br>Control<br>Max. Remote Users<br>TERFACE<br>Indicator<br>VGA<br>HDMI<br>Audio<br>Ethernet<br>Alarm<br>USB<br>Ext. Storage<br>Serial<br>Reset<br>Power Cord<br>Log List                              | P2P (QR code)   Yes   Yes   Via GUI, Webviewer, 255 preset   IPhone, Android   RTP, RTSP, HTTP, CGI (SUNAPI)   Live (8ch): Multi-Profile Support, Playback (4ch), Event push   Search (3), Live Unicast (10), Multicast (20)   Mouse, Web, IR Remote control   LED (Status indicator): 3ea   Power Status 1, LAN 1, Record 1   N/A   1 EA (3840 x 2160, 1920x1080, 1280x720)   N/A   BEA (PoE, 100Mbps)   1EA (WAN, 1Gbps) - WAN: Uplink to CMS   N/A  |
| Easy Configurati<br>ARB<br>27Z<br>Simart phone<br>System Control<br>NDICATOR / IN<br>Front<br>Connectors<br>SySTEM<br>.og<br>NVIRONMENT   | Control<br>Support Model<br>Protocol Support<br>Control<br>Max. Remote Users<br>TERFACE<br>Indicator<br>VGA<br>HDMI<br>Audio<br>Ethernet<br>Alarm<br>USB<br>Ext. Storage<br>Serial<br>Reset<br>Power Cord<br>Log List<br>AL                        | P2P (QR code) Yes   Yes Via GUI, Webviewer, 255 preset   iPhone, Android RTP, RTSP, HTTP, CGI (SUNAPI)   Live (8ch): Multi-Profile Support, Playback (4ch), Event push Search (3), Live Unicast (10), Multicast (20)   Mouse, Web, IR Remote control IED (Status indicator): 3ea   Power Status 1, LAN 1, Record 1 N/A   VA 1 EA (3840 x 2160, 1920x1080, 1280x720)   N/A SEA (PoE, 100Mbps)   IEA (WAN, 1Gbps) - WAN : Uplink to CMS   N/A   N/A   Switch (1EA)   Included  |
| Easy Configurati<br>ARB<br>27Z<br>Smart phone<br>System Control<br>NDICATOR / IN<br>Front<br>Connectors<br>SYSTEM<br>Og<br>SYSTEM<br>Operating Temp   | Control<br>Support Model<br>Protocol Support<br>Control<br>Max. Remote Users<br>TERFACE<br>Indicator<br>VGA<br>HDMI<br>Audio<br>Ethernet<br>Alarm<br>USB<br>Ext. Storage<br>Serial<br>Reset<br>Power Cord<br>Log List                              | P2P (QR code)   Yes     Yes   Yes     Via GUI, Webviewer, 255 preset   Phone, Android     RTP, RTSP, HTTP, CGI (SUNAPI)   Itive (8ch); Nulti-Profile Support, Playback (4ch), Event push     Search (3), Live Unicast (10), Multicast (20)   Mouse, Web, IR Remote control     LED (Status indicator) : 3ea   Power Status 1, LAN 1, Record 1     N/A   N/A     1 EA (3840 x 2160, 1920x1080, 1280x720)   N/A     N/A   Sea (Pobe; 100Mbps)     1 EA (WAN, 16bps)- WAN : Uplink to CMS   N/A     Front 1EA (USB2.0), Rear 1 (USB3.0)   N/A     N/A   N/A     Front 1EA (USB2.0, Rear 1 (USB3.0)   N/A     N/A   Max. 20000 (System Log, Event Log each)     +0°C to +40°C (+32°F to +104°F)   Hord F   |
| Easy Configurati<br>ARB<br>27Z<br>Smart phone<br>System Control<br>NDICATOR / IN<br>Front<br>Connectors<br>SYSTEM<br>Og<br>ENVIRONMENT<br>Deperating Temp<br>Deperating Temp  | Control<br>Support Model<br>Protocol Support<br>Control<br>Max. Remote Users<br>TERFACE<br>Indicator<br>VGA<br>HDMI<br>Audio<br>Ethernet<br>Alarm<br>USB<br>Ext. Storage<br>Serial<br>Reset<br>Power Cord<br>Log List<br>AL                        | P2P (QR code) Yes   Yes Via GUI, Webviewer, 255 preset   iPhone, Android RTP, RTSP, HTTP, CGI (SUNAPI)   Live (8ch): Multi-Profile Support, Playback (4ch), Event push Search (3), Live Unicast (10), Multicast (20)   Mouse, Web, IR Remote control IED (Status indicator): 3ea   Power Status 1, LAN 1, Record 1 N/A   VA 1 EA (3840 x 2160, 1920x1080, 1280x720)   N/A SEA (PoE, 100Mbps)   IEA (WAN, 1Gbps) - WAN : Uplink to CMS   N/A   N/A   Switch (1EA)   Included  |
| Easy Configurati<br>ARB<br>27Z<br>Smart phone<br>System Control<br>NDICATOR / IN<br>Front<br>Connectors<br>SYSTEM<br>Operating Temp<br>Humidity<br>LeCTRICAL  | Control<br>Support Model<br>Protocol Support<br>Control<br>Max. Remote Users<br>TERFACE<br>Indicator<br>VGA<br>HDMI<br>Audio<br>Ethernet<br>Alarm<br>USB<br>Ext. Storage<br>Serial<br>Reset<br>Power Cord<br>Log List<br>AL                        | P2P (QR code) Yes   Yes Via GUI, Webviewer, 255 preset   IPhone, Android RTP, RTSP, HTTP, CGI (SUNAPI)   Live (8ch): Multi-Profile Support, Playback (4ch), Event push   Search (3), Live Unicast (10), Multicast (20)   Mouse, Web, IR Remote control   LED (Status indicator): 3ea   Power Status 1, LAN 1, Record 1   N/A   1 EA (3840 x 2160, 1920x1080, 1280x720)   N/A   BEA (PoE, 100Mbps)   1EA (WAN, 1Gbps) - WAN: Uplink to CMS   N/A   Max.20000 (System Log, Event Log each)   +0°C to +40°C (+32°F to +104°F)   20% ~ 85% RH  |
| Easy Configurati<br>ARB<br>TZ<br>Smart phone<br>System Control<br>NDICATOR / IN<br>Front<br>Connectors<br>SYSTEM<br>.og<br>NVIRONMENT<br>Deperating Temp<br>Humidity<br>ELECTRICAL<br>Yower Input   | Control<br>Support Model<br>Protocol Support<br>Control<br>Max. Remote Users<br>TERFACE<br>Indicator<br>VGA<br>HDMI<br>Audio<br>Ethernet<br>Alarm<br>USB<br>Ext. Storage<br>Serial<br>Reset<br>Power Cord<br>Log List<br>AL<br>perature / Humidity | P2P (QR code) Yes   Yes Yes   Via GUI, Webviewer, 255 preset Phone, Android   RTP, RTSP, HTTP, CGI (SUNAPI) Etwister   Live (8ch): Multi-Profile Support, Playback (4ch), Event push Search (3), Live Unicast (10), Multicast (20)   Mouse, Web, IR Remote control Mouse, Web, IR Remote control   LED (Status indicator): 3ea Power Status 1, LAN 1, Record 1   N/A 1 EA (3840 x 2160, 1920x1080, 1280x720)   N/A 1 EA (3840 x 2160, 1920x1080, 1280x720)   N/A Search (20, 100Mbps)   1 EA (WAN, 16bps) - WAN : Uplink to CMS   N/A Search (20, Rear 1 (USB3.0)   N/A Switch (1EA)   Included Max. 20000 (System Log, Event Log each)   +0°C to +40°C (+32°F to +104°F) 20% ~ 85% RH   54V DC/ 1.67A Search (20, 20, 20, 20, 20, 20, 20, 20, 20, 20, |
| Easy Configurati<br>ARB<br>77Z<br>Smart phone<br>System Control<br>NDICATOR / IN<br>Front<br>Connectors<br>SYSTEM<br>.og<br>NVIRONMENT<br>Joperating Temp<br>tumidity<br>LIECTRICAL<br>20wer Consump  | Control<br>Support Model<br>Protocol Support<br>Control<br>Max. Remote Users<br>TERFACE<br>Indicator<br>VGA<br>HDMI<br>Audio<br>Ethernet<br>Alarm<br>USB<br>Ext. Storage<br>Serial<br>Reset<br>Power Cord<br>Log List<br>AL<br>perature / Humidity | P2P (QR code)     Yes     Via GUI, Webviewer, 255 preset     iPhone, Android     RTP, RTSP, HTTP, CGI (SUNAPI)     Live (8ch): Multi-Profile Support, Playback (4ch), Event push     Search (3), Live Unicast (10), Multicast (20)     Mouse, Web, IR Remote control     LED (Status indicator): 3ea     Power Status 1, LAN 1, Record 1     N/A     N/A     N/A     N/A     N/A     Font 1EA (USB2.0), Rear 1 (USB3.0)     N/A     N/A     Switch (1EA)     Included     Max. 20000 (System Log, Event Log each)     +0°C to +40°C (+32°F to +104°F)     .20% ~ 85% RH     SktVDC/1.67A     Max. 76.2W (1HDD, PoE on), Max. 8.1W (1HDD, PoE off)  |
| Easy Configurati<br>ARB<br>TZ<br>Smart phone<br>System Control<br>NDICATOR / IN<br>Front<br>Connectors<br>SYSTEM<br>.og<br>SYSTEM<br>.og<br>SWIRONMENT<br>Derating Temp<br>Humidity<br>ELECTRICAL<br>Power Consum;<br>Pose Budget   | Control<br>Support Model<br>Protocol Support<br>Control<br>Max. Remote Users<br>TERFACE<br>Indicator<br>VGA<br>HDMI<br>Audio<br>Ethernet<br>Alarm<br>USB<br>Ext. Storage<br>Serial<br>Reset<br>Power Cord<br>Log List<br>AL<br>perature / Humidity | P2P (QR code) Yes   Yes Yes   Via GUI, Webviewer, 255 preset Phone, Android   RTP, RTSP, HTTP, CGI (SUNAPI) Etwister   Live (8ch): Multi-Profile Support, Playback (4ch), Event push Search (3), Live Unicast (10), Multicast (20)   Mouse, Web, IR Remote control Mouse, Web, IR Remote control   LED (Status indicator): 3ea Power Status 1, LAN 1, Record 1   N/A 1 EA (3840 x 2160, 1920x1080, 1280x720)   N/A 1 EA (3840 x 2160, 1920x1080, 1280x720)   N/A Search (20, 100Mbps)   1 EA (WAN, 16bps) - WAN : Uplink to CMS   N/A Search (20, Rear 1 (USB3.0)   N/A Switch (1EA)   Included Max. 20000 (System Log, Event Log each)   +0°C to +40°C (+32°F to +104°F) 20% ~ 85% RH   54V DC/ 1.67A Search (20, 20, 20, 20, 20, 20, 20, 20, 20, 20, |
| Easy Configurati<br>ARB<br>27Z<br>57Smart phone<br>57Stem Control<br>NDICATOR / IN<br>Front<br>Connectors<br>57STEM<br>.og<br>INVIRONMENT<br>Deprating Temp<br>4umidity<br>ELECTRICAL<br>20Wer Input<br>20WEr Consump<br>20WE Consump<br>20WE Consump<br>20WE Consump<br>20WE Consump<br>20WE Consump<br>20WE Consump<br>20WE Consump<br>20WE Consump | Control<br>Support Model<br>Protocol Support<br>Control<br>Max. Remote Users<br>TERFACE<br>Indicator<br>VGA<br>HDMI<br>Audio<br>Ethernet<br>Alarm<br>USB<br>Ext. Storage<br>Serial<br>Reset<br>Power Cord<br>Log List<br>AL<br>perature / Humidity | P2P (QR code) Yes   Yes Yes   Via GUI, Webviewer, 255 preset Phone, Android   RTP, RTSP, HTTP, CGI (SUNAPI) Etuve (8ch): Multi-Profile Support, Playback (4ch), Event push   Search (3), Live Unicast (10), Multicast (20) Mouse, Web, IR Remote control   LED (Status indicator) : 3ea Power Status 1, LAN 1, Record 1   N/A N/A   1 EA (3840 x 2160, 1920x1080, 1280x720) N/A   N/A SEA (PoE, 100Mbps)   1 EA (3840 x 2160, 1920x1080, 1280x720) N/A   N/A SEA (PoE, 100Mbps)   1 EA (WAN, 1Gbps) - WAN : Uplink to CMS N/A   N/A Search (1EA)   Included Max. 20000 (System Log, Event Log each)   +0°C to +40°C (+32°F to +104°F) 20% ~ 85% RH   S4VDC/1.67A Max. 76.2W (1HDD, PoE on), Max. 8.1W (1HDD, PoE off)   Max. 50W Max. 20000            |
| Easy Configurati<br>ARB<br>TZ<br>Smart phone<br>System Control<br>NDICATOR / IN<br>Front<br>Connectors<br>SYSTEM<br>.og<br>SYSTEM<br>.og<br>SWIRONMENT<br>Derating Temp<br>Humidity<br>ELECTRICAL<br>Power Consum;<br>Pose Budget   | Control<br>Support Model<br>Protocol Support<br>Control<br>Max. Remote Users<br>TERFACE<br>Indicator<br>VGA<br>HDMI<br>Audio<br>Ethernet<br>Alarm<br>USB<br>Ext. Storage<br>Serial<br>Reset<br>Power Cord<br>Log List<br>AL<br>perature / Humidity | P2P (QR code)     Yes     Via GUI, Webviewer, 255 preset     iPhone, Android     RTP, RTSP, HTTP, CGI (SUNAPI)     Live (8ch): Multi-Profile Support, Playback (4ch), Event push     Search (3), Live Unicast (10), Multicast (20)     Mouse, Web, IR Remote control     LED (Status indicator): 3ea     Power Status 1, LAN 1, Record 1     N/A     N/A     N/A     N/A     Search (20), Rear 1 (USB3.0)     N/A     N/A     Front 1EA (USB2.0), Rear 1 (USB3.0)     N/A     Switch (1EA)     Included     Max. 20000 (System Log, Event Log each)     +0°C to +40°C (+32°F to +104°F)     .20% ~ 85% RH     S4VDC/1.67A     Max. 76.2W (1HDD, PoE on), Max. 8.1W (1HDD, PoE off)   |

\* The lastest 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, formerly known as Samsung Techwin.

## **Key Features**

- Up to 8ch 8megapixel supported
- H.265, H.264, MJPEG codec supported
- 80Mbps network camera recording
- Plug & play by 8 PoE ports
- Max. 1HDD supported
- HDMI local monitor
- P2P service (QR code connect) support

## Dimensions



| Unit : mm (inch) |
|------------------|
|------------------|

|  | Camera |
|--|--------|
|  |        |
|  | Comoro |

