



PRN-3200B2

32CH AI NVR



Key Features

- Up to 8K (32MP) Resolution
- AI search (BestShot, Attribute)
- Object detection and classification, License Plate Recognition (LPR)
- SATA 8ea (Up to 80TB)
- Easy Channel/Event/Alarm configuration
- Video preview support
- Dynamic Event support
- Bookmark management (Up to 100 set)
- Simple connection with mobile phone through QR code

PRN-3200B2

32CH AI NVR



Specifications

Display

| | | |
|----------------|-----------------------------|---|
| Network camera | Inputs | Max. 32CH |
| | Resolution | 32MP ~ CIF |
| | Protocols | SUNAPI, ONVIF |
| Decoding | Local Display | [Dual Display] HDMI 1: 3840 x 2160 (30Hz) HDMI 2: 1920x1080 (60Hz) |
| | Multi Screen Display | [Local Monitor] - Dynamic layout, Virtual channel view - Clone Mode : Up to 36 Division - Expand Mode : HDMI1 up to 36 Div. HDMI2 up to 16 Div. [Web] 1/ 2H/ 2V/ 3V/ 4/ 6/ 8/ 9 |
| | Resolution | 32M(15fps, H.265 Only), 12M(30fps, H.265 Only), 8.3M(120fps), 1080p(480fps), 720P(960fps), D1(1920fps) |

Performance

| | | |
|------------------|------------------------------|--|
| Operating System | Embedded | Linux |
| Record | Compression | H.265, H.264, MJPEG |
| | Recording Bandwidth | Distributed mode : Up to 400 Mbps Normal mode : Up to 150 Mbps {RAID mode} Normal : Up to 400 Mbps Degradе/ Rebuild : Up to 320 Mbps |
| | Resolution | 32MP ~ CIF |
| | Mode | Normal, Dual Stream, Schedule(Continuous/Event), Event (Pre/Post), Bookmark |
| | Event Trigger | Alarm Input, Video Loss, Camera Event(Sensor, MD, Video Analytics, Defocus, Audio), Dynamic Event, User Event |
| | Event Action | e-Mail, Event Push, PTZ Preset, Alarm Out, Buzzer, Monitor Out, FTP, SUNAPI Command, Shutdown |
| Search & Play | Playback Bandwidth | RAID Mode : Max. 64Mbps Non-RAID Mode : Max. 32Mbps |
| | User | Max. 4 Users (Local 1, Remote 3) |
| | Simultaneous playback | Max. 80CH(Local 32CH, Remote 16CH per user) |
| | Fisheye Dewarping | Support (Local 1CH), CMS |
| | Mode | Date & Time(Calendar), Event list, Text Search, Smart Search |
| | Resolution | CIF ~ 32MP (Up to H.264 9MP, H.265 32MP) |
| | Playback Control | Fast/Slow Forward / Backward, Move one step Up / Down |
| Storage | Supported HDD | Up to 10TB |
| | HDD Slot | SATA 8ea(Max. 80TB, Non-RAID mode) |
| | External | iSCSI storage |
| | RAID | RAID-5/6(Single, 1 Array) |
| Backup | File backup | BU/Exe/AVI(GUI), JPG/AVI(Network) |
| | Function | Multi channel(Up to 16CH) Play, Date-Time/Title display |

Network

| | |
|-------------------------------|--|
| Protocol | IPv4, IPv6, TCP/IP, UDP/IP, RTP (UDP), RTP (TCP), RTSP, NTP, HTTP, DHCP (Server, Client), SMTP, ICMP, IGMP, ARP, DNS, DDNS, uPnP, HTTPS, SNMP, ONVIF (Profile-S), SUNAPI(Server, Client) |
| DDNS | Hanwha DDNS |
| Transmission Bandwidth | Max. 400Mbps |
| Audio | Input/Output 32 CH(network) |

| | | |
|-------------------------|----------------------------|--|
| | Compression | G.711, G.726, AAC(16/48KHz) |
| | Audio Communication | 2-Way |
| Max Remote Users | | Search(3), Live Unicast(10), Multicast(20) |
| Security | | IP address filtering, User access Log, 802.1x, Encryption Device certificate(Hanwha Techwin Root CA), Signed firmware |
| Web viewer | Supported OS | Windows 10, macOS 10.13 |
| | Supported browser | Google Chrome, Microsoft Edge, Mac Safari |
| Viewer Software | | WAVE, SSM, Webviewer, Smart Viewer, Wisenet mobile Support CGI(SUNAPI) for integration to 3'rd party VMS |

Functions

| | | |
|---------------------------|--------------------------|--|
| Camera Setup | Register | Auto, Manual |
| | Item | IP address, Add profile edit, Bitrate, Compression, GOP, Quality, Camera MD setup (4, 8 point polygon) Camera video setup (Simple focus, Brightness/Contrast, Flip/Mirror, IRIS, WDR, D&N, SSSNR, Shutter, SSSDR, DIS), Fisheye Dewarping Mode, Hallway View Setup, Camera Webpage |
| PTZ | Control | Via GUI, Webviewer, SPC-2000 |
| | Preset | 300 Presets |
| Smart phone | Support Model | iOS, Android |
| | Protocol Support | RTP, RTSP, HTTP, CGI(SUNAPI) |
| | Control | Live 16CH(Multi-Profile Support), Playback 4CH |
| | Max. Remote Users | Search(3), Live Unicast(10) |
| Redundancy | Failover | N+1 |
| | ARB | Support |
| Easy configuration | | P2P(QR code) |

Interface

| | | |
|---------------------|------------------|---|
| Front | Indicator | HDD, Alarm, Power, Record, Backup, Network, RAID |
| Storage | | OK |
| Reset | | OK |
| HDD Key Lock | | OK |
| HDMI | | 2EA (Playback/Setup → HDMI1) HDMI1 : 3840x2160 30Hz HDMI2 : 1920x1080 60Hz |
| Audio | | Out 1EA (3.5mm Audio Jack) |
| Ethernet | | RJ-45 3EA (LAN/WAN, 1Gbps) |
| Alarm | | In 8EA, Out 4EA |
| USB | | 4EA(Front 2 x USB 2.0, Rear 2 x USB 3.0) |
| Power inlet | | AC 1EA |

System

| | | |
|-----------------------|-----------------|---|
| Log | Log List | Max. 100,000 (System Log, Event Log each) |
| System Control | | Mouse, Keyboard, Web, Controller (SPC-2000) |
| Language | | English, French, German, Italian, Spanish, Russian, Turkish, Polish, Dutch, Czech, Portuguese, 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 ~ 240 VAC ±10%; 50/60 Hz, 2.1A |
| Power Consumption | Max. 205W (With 10TB HDDs 8EA) |

Mechanical

| | |
|--------------------------|---------------------|
| Color / Material | Black / Metal |
| Dimension (WxHxD) | 438 x 86 x 434.9 mm |

| | |
|---------------|---|
| Weight | Approx. 9.1Kg (20.1 lb, HDD not included) |
|---------------|---|

Intelligent Analysis

| | | |
|------------------|-------------------------|--|
| AI Search | Object Attribute | Human, Face, Vehicle, License plate |
| | LPR | English, Number (Wisenet AI, P/X Camera) |

PRN-3200B2

32CH AI NVR



CAD

Unit: mm [inch]

This parts should not contain any substances which are specified in AH60-0033K

