



## XRN-6420B4

64 kanallı NVR, 12. nesil Intel® İşlemci ile



### Key Features

- 64CH Desteklenen kanallar
- 520Mbps Kayıt bant genişliği
- 160TB SATA
- RAID 5/6 Depolama
- Güç girişi : AC 1EA
- Kolay Kanal/Olay/Alarm yapılandırması
- Sanal Kanal Görünümü
- Dinamik düzen
- Güvenilir güvenlik için entegre TPM (Güvenilir Platform Modülü)

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## Specifications

### Ekran

|             |             |                                                                                                                                                                                 |
|-------------|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Ağ kamerası | Girişler    | Max. 64CH                                                                                                                                                                       |
|             | Çözünürlük  | 32MP ~ CIF                                                                                                                                                                      |
|             | Protokoller | SUNAPI, ONVIF                                                                                                                                                                   |
| Kod çözme   | Yerel Ekran | [Dual Display] HDMI 1: 3840 x 2160 (30Hz) HDMI 2: 1920x1080 (60Hz)                                                                                                              |
|             | Çoklu Ekran | [Local Monitor] - Dynamic layout, Virtual channel view - Clone Mode : Up to 64 Division - Expand Mode : HDMI1 up to 36 Div. HDMI2 up to 32 Div. [Web] 1/ 2H/ 2V/ 3V/ 4/ 6/ 8/ 9 |
|             | Çözünürlük  | 32M(15fps, H.265 Only), 12M(30fps, H.265 Only), 8.3M(4ch@30fps), 1080p(16ch@30fps), 720P(32ch@30fps), D1(64ch@30fps)                                                            |

### Performans

|                 |                             |                                                                                                                                      |
|-----------------|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| İşletim Sistemi | Tümleşik                    | Linux                                                                                                                                |
| Kayıt           | Sıkıştırma                  | H.265, H.264, MJPEG                                                                                                                  |
|                 | Kayıt Bant Genişliği        | Distributed mode : Up to 520 Mbps Normal mode : Up to 300 Mbps [RAID mode] Normal : Up to 520 Mbps Degrade/ Rebuild : Up to 520 Mbps |
|                 | Çözünürlük                  | 32MP ~ CIF                                                                                                                           |
|                 | Mod                         | Normal, Dual Stream, Schedule(Continuous/Event), Event (Pre/Post), Bookmark                                                          |
|                 | Olay Tetikleyici            | Alarm Input, Video Loss, Camera Event(Sensor, MD, Video Analytics, Defocus, Audio), Dynamic Event, User Event                        |
|                 | Olay Eylemi                 | e-Mail, Event Push, PTZ Preset, Alarm Out, Buzzer, Monitor Out, FTP, SUNAPI Command, Shutdown                                        |
| Ara ve Oynat    | Oynatma Bant Genişliği      | Up to 200Mbps(64CH simultaneously)                                                                                                   |
|                 | Kullanıcı                   | Max. 4 Users (Local 1, Remote 3)                                                                                                     |
|                 | Eşzamanlı oynatma           | Max. 112CH(Local 64CH, Remote 16CH per user)                                                                                         |
|                 | Balıkgözü Çarpıklık Giderme | Support (Local 1CH), CMS                                                                                                             |
|                 | Mod                         | Time/Event/Text/ARB/Bookmark/Smart search                                                                                            |
|                 | Çözünürlük                  | CIF ~ 32MP (Up to H.264 9MP, H.265 32MP)                                                                                             |
|                 | Oynatma Denetimi            | Fast/Slow Forward / Backward, Move one step Up / Down                                                                                |

## Performans

|           |                 |                                                         |
|-----------|-----------------|---------------------------------------------------------|
| Depolama  | Desteklenen HDD | Up to 10TB                                              |
|           | HDD Yuvası      | SATA 16ea(Max. 160TB, Non-RAID mode), Hot swap          |
|           | Harici          | iSCSI storage                                           |
|           | RAID            | RAID-5/6(Array Size : 8 HDDs x 2 Array)                 |
| Yedekleme | Dosya yedekleme | Recorder/SEC/AVI/JPG(Local), AVI/PNG(Network)           |
|           | İşlev           | Multi channel(Up to 16CH) Play, Date-Time/Title display |

## Ağ

|                         |                                                                                                                                                                                                |                                             |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|
| Protokol                | IPv4, IPv6, TCP/IP, UDP/IP, RTP (UDP), RTP (TCP), RTSP, RTCP, NTP, HTTP, DHCP (Server, Client), SMTP, ICMP, IGMP, ARP, DNS, DDNS, uPnP, HTTPS, SNMP, ONVIF (Profile-S), SUNAPI(Server, Client) |                                             |
| DDNS                    | Hanwha DDNS                                                                                                                                                                                    |                                             |
| İletim Bant Genişliği   | Max. 520Mbps                                                                                                                                                                                   |                                             |
| Ses                     | Giriş / Çıkış                                                                                                                                                                                  | 64 CH(network)                              |
|                         | Sıkıştırma                                                                                                                                                                                     | G.711, G.726, AAC(16/48KHz)                 |
|                         | Sesli İletişim                                                                                                                                                                                 | 2-Way                                       |
| En Fazla Uzak Kullanıcı | Search(3), Live Unicast(10), Multicast(20)                                                                                                                                                     |                                             |
| Güvenlik                | IP address filtering, User access Log, 802.1x, TLS, Encryption Device certificate(Hanwha Techwin Root CA), Signed firmware, TPM support                                                        |                                             |
| Web görüntüleyici       | Desteklenen İS                                                                                                                                                                                 | Windows10 or higher, macOS 13.5.2 or higher |
|                         | Desteklenen tarayıcı                                                                                                                                                                           | Google Chrome, Microsoft Edge, Mac Safari   |
| Görüntüleyici Yazılımı  | WAVE, SSM, Webviewer, Wisenet Viewer, Wisenet mobile Support CGI(SUNAPI) for integration to 3'rd party VMS                                                                                     |                                             |

## İşlev

|                    |                         |                                                                                                                                                                                                                                                                                  |
|--------------------|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Kamera Ayarı       | Kayıt                   | Auto, Manual                                                                                                                                                                                                                                                                     |
|                    | Öğe                     | 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, SSNR, Shutter, SDDR, DIS), Fisheye Dewarping Mode, Hallway View Setup, Camera Webpage |
| PTZ                | Kontrol                 | Via GUI, Webviewer, SPC-2000/2001                                                                                                                                                                                                                                                |
|                    | Önayar                  | 300 Presets                                                                                                                                                                                                                                                                      |
| Akıllı telefon     | Destek Modeli           | iOS, Android                                                                                                                                                                                                                                                                     |
|                    | Protokol Desteği        | RTP, RTSP, HTTP, CGI(SUNAPI)                                                                                                                                                                                                                                                     |
|                    | Kontrol                 | Live 16CH(Multi-Profile Support), Playback 4CH                                                                                                                                                                                                                                   |
|                    | En Fazla Uzak Kullanıcı | Search(3), Live Unicast(10)                                                                                                                                                                                                                                                      |
| Yedeklilik         | Devir                   | N+1                                                                                                                                                                                                                                                                              |
|                    | ARB                     | Support                                                                                                                                                                                                                                                                          |
| Kolay yapılandırma | P2P(QR code)            |                                                                                                                                                                                                                                                                                  |

## Arayüz

|            |          |                                                                             |
|------------|----------|-----------------------------------------------------------------------------|
| Ön         | Gösterge | HDD, Alarm, Power, Record, Backup, Network, RAID                            |
| Depolama   |          | Yes                                                                         |
| Sıfırlama  |          | Power button                                                                |
| HDD Kilidi |          | Yes                                                                         |
| HDMI       |          | 2EA ( Playback/Setup → HDMI1) HDMI1 : 3840x2160 30Hz HDMI2 : 1920x1080 60Hz |
| Ses        |          | Out 1EA (3.5mm Audio Jack)                                                  |
| Ethernet   |          | RJ-45 3EA (LAN/WAN, 1Gbps)                                                  |
| Alarm      |          | In 8EA, Out 4EA                                                             |
| USB        |          | 4EA(Front 2 x USB2.0 + Rear 2 x USB 3.0)                                    |
| Güç girişi |          | AC 1EA                                                                      |

## Sistem

|                 |                |                                                                                                                                                                                                                       |
|-----------------|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Günlük          | Günlük Listesi | Max. 100,000 (System Log, Event Log each)                                                                                                                                                                             |
| Sistem Denetimi |                | Mouse(include wireless), Keyboard(include wireless), Web, Controller (SPC-2000/2001)                                                                                                                                  |
| Dil             |                | English, French, German, Italian, Spanish, Russian, Turkish, Polish, Dutch, Czech, Portuguese, Danish, Rumanian, Serbian, Croatian, Hungarian, Greek, Norwegian, Finnish, Korean, Chinese, Japanese, Thai, Vietnamese |

## Çevresel

|                   |                             |
|-------------------|-----------------------------|
| Çalışma Sıcaklığı | 0°C to +40°C(32°F to 104°F) |
| Çalışma Nemliliği | 20% ~ 85% RH                |

## Elektriksel

|              |                                                |
|--------------|------------------------------------------------|
| Güç Girişi   | 100 ~ 240 VAC ±10%; 50/60Hz, 2.7A(Single SMPS) |
| Güç Tüketimi | Max. 265W(904.2 BTU with HDD 16ea)             |

## Mekanik

|              |                                                      |
|--------------|------------------------------------------------------|
| Renk/Malzeme | Black / Metal                                        |
| Boyut        | 440.0 x 132.0 x 571.1 mm (17.32 x 5.20 x 22.48 inch) |
| Ağırlık      | Approx. 14Kg(30.9lb, HDD not included)               |

## Akıllı Analiz

|            |                  |                                   |
|------------|------------------|-----------------------------------|
| YZ Araması | Nesne Özniteliği | Compatible with Hanwha AI Cameras |
|------------|------------------|-----------------------------------|

XRN-6420B4

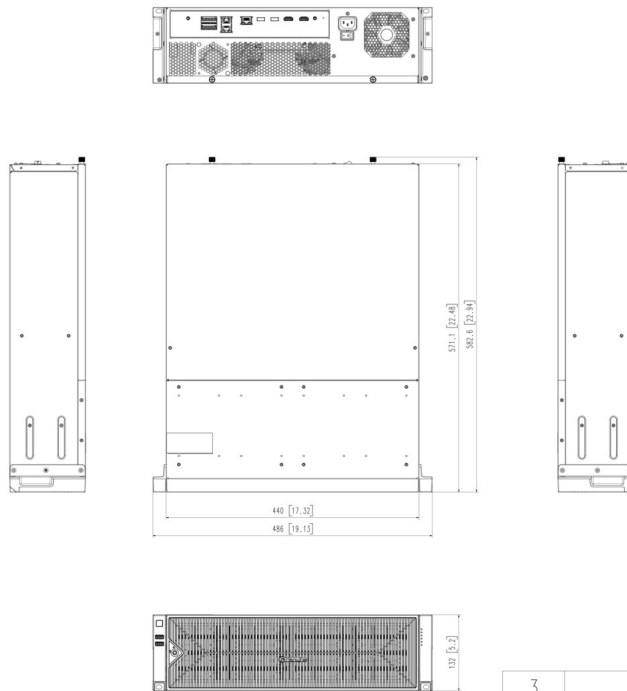
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## CAD

Unit: mm [inch]



|               |            |                                                                                                     |
|---------------|------------|-----------------------------------------------------------------------------------------------------|
| 3             | MODEL 2    |                                                                                                     |
| 2             | XRN-3220B4 | '23.08.22                                                                                           |
| 1             | XRN-6420B4 | '23.08.22                                                                                           |
| No.           | MODEL NAME | DATE                                                                                                |
| Unit:mm[inch] | SCALE:1/2  |  Hanwha Vision |

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