

## DS-7200HUHI-Fx/N Series TurboHD DVR

- H.264+ (Over 50 Percent More Efficient than H.264)
- TurboHD 3.0 Video at 3 MP (1920 x 1536)
- Supports Third-Party Cloud Storage
- Smart Search for Motion Event Playback
- HDMI at 4K (3840x2160)\*, VGA at 1920x1080
- Supports Two Channels of IP Video, at 4 MP Resolution (2688 x 1520)
- Multiple VCA Events
- Extended Cable Distance

\*8 and 16 channel units only



The Hikvision DS-72xxHUHI-Fx/N TurboHD DVR Series offers high HD-TVI resolution over existing coaxial and twisted pair (CAT5) cables. With Hikvision's proprietary H.264+ video compression technology, enjoy up to 50 percent smaller video streams and storage requirements.

Supports extended cable distances of 2,625 feet (800 meters) at 1080p over RG-6 cable. Available in 4-, 8-, and 16-channel models to fit any requirement. Internal SATA interface(s) (1 for DS-7204HUHI-F1/N, 2 for DS-7208HUHI-Fx/N and DS-7216HUHI-Fx/N) support 6 TB drives.

VCA (Video Content Analysis) features include line cross, intrusion, and motion detection.

Smart Search makes it quick and easy to find the action you are looking for, without having to sort through irrelevant video scenes.

Other features include support for third-party cloud storage (Dropbox, Google Drive, and Microsoft OneDrive) and support for two additional channels of IP video, each at 4 MP resolution (2688 x 1520) for capturing maximum quality video.

### Order Models:

DS-7204HUHI-F1/N  
DS-7208HUHI-F2/N  
DS-7216HUHI-F2/N



|                           | DS 7204HUHI F1/N                                                                                                                                     |  | DS 7208HUHI F2/N                                                                                                                                                                          |  | DS 7216HUHI F2/N |  |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------|--|
| VIDEO/AUDIO INPUT         |                                                                                                                                                      |  |                                                                                                                                                                                           |  |                  |  |
| Video Compression         | H.264+/H.264                                                                                                                                         |  |                                                                                                                                                                                           |  |                  |  |
| Analog Video Input        | 4-ch                                                                                                                                                 |  | 8-ch                                                                                                                                                                                      |  | 16-ch            |  |
| HD-TVI Input              | BNC interface (1.0 Vp-p, 75 Ω), supporting Coaxitron connection                                                                                      |  |                                                                                                                                                                                           |  |                  |  |
| CVBS Input                | 1080p/25 Hz, 1080p/30 Hz, 720p/25 Hz, 720p/30 Hz, 720P/50 Hz, 720p/60 Hz, 3 MP                                                                       |  |                                                                                                                                                                                           |  |                  |  |
| IP Video Input            | 960H and 4CIF/D1 resolutions supported                                                                                                               |  |                                                                                                                                                                                           |  |                  |  |
| Audio Compression         | 2-ch, up to 4 MP resolution                                                                                                                          |  |                                                                                                                                                                                           |  |                  |  |
| Audio Input               | G.711u                                                                                                                                               |  |                                                                                                                                                                                           |  |                  |  |
| Cable Distance            | 4-ch, RCA (2.0 Vp-p, 1K Ω)                                                                                                                           |  |                                                                                                                                                                                           |  |                  |  |
|                           | Camera to DVR cable distance up to 2,625 ft (800 m) at 1080p over RG-6 cable                                                                         |  |                                                                                                                                                                                           |  |                  |  |
| VIDEO/AUDIO OUTPUT        |                                                                                                                                                      |  |                                                                                                                                                                                           |  |                  |  |
| CVBS Output               | 1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: 704 × 480                                                                                                    |  |                                                                                                                                                                                           |  |                  |  |
| HDMI/VGA Output           | 1-ch, 60 Hz: 1920 × 1080, 1280 × 1024, 1280 × 720, 1024 × 768                                                                                        |  | VGA, 1-ch, 60 Hz: 1920 × 1080, 1280 × 1024, 1280 × 720, 1024 × 768<br>HDMI, 1-ch, 30 Hz: 4K (3840 × 2160)/1-ch, 60 Hz: 2K (2560 × 1440), 1920 × 1080, 1280 × 1024, 1280 × 720, 1024 × 768 |  |                  |  |
| Encoding Resolution       | 3 MP/1080p/720p/WD1/4CIF/VGA/CIF                                                                                                                     |  |                                                                                                                                                                                           |  |                  |  |
| Frame Rate                | Main stream: 3 MP@15fps; 1080p/720p/WD1/4CIF/VGA/CIF @ 25 fps (P)/30 fps (N)<br>Sub-stream: WD1/4CIF @ 12 fps; CIF/QVGA/QCIF @ 25 fps (P)/30 fps (N) |  |                                                                                                                                                                                           |  |                  |  |
| Video Bit Rate            | 32 Kbps to 10 Mbps                                                                                                                                   |  |                                                                                                                                                                                           |  |                  |  |
| Audio Output              | 1-ch, RCA (linear, 1K Ω)                                                                                                                             |  |                                                                                                                                                                                           |  |                  |  |
| Audio Bit Rate            | 64 Kbps                                                                                                                                              |  |                                                                                                                                                                                           |  |                  |  |
| Dual-Stream               | Supported                                                                                                                                            |  |                                                                                                                                                                                           |  |                  |  |
| Stream Type               | Video, Video & Audio                                                                                                                                 |  |                                                                                                                                                                                           |  |                  |  |
| Synchronous Playback      | 4-ch                                                                                                                                                 |  | 8-ch                                                                                                                                                                                      |  | 16-ch            |  |
| NETWORK MANAGEMENT        |                                                                                                                                                      |  |                                                                                                                                                                                           |  |                  |  |
| Remote Connections        | 128                                                                                                                                                  |  |                                                                                                                                                                                           |  |                  |  |
| Network Protocols         | TCP/IP, PPPoE, DHCP, Hik-Connect P2P, DNS, DDNS, NTP, SADP, NFS, iSCSI, UPnP™, HTTPS, ONVIF                                                          |  |                                                                                                                                                                                           |  |                  |  |
| HARD DISK                 |                                                                                                                                                      |  |                                                                                                                                                                                           |  |                  |  |
| SATA Interfaces           | 1                                                                                                                                                    |  | 2                                                                                                                                                                                         |  |                  |  |
| Capacity                  | Up to 6 TB capacity for each disk                                                                                                                    |  |                                                                                                                                                                                           |  |                  |  |
| EXTERNAL INTERFACE        |                                                                                                                                                      |  |                                                                                                                                                                                           |  |                  |  |
| Two-Way Audio Input       | 1-ch, RCA (2.0 Vp-p, 1K Ω) (using the audio input)                                                                                                   |  |                                                                                                                                                                                           |  |                  |  |
| Network Interface         | 10M/100M                                                                                                                                             |  | 10M/100M/1000M                                                                                                                                                                            |  |                  |  |
|                           | (1) RJ-45 self-adaptive Ethernet interface                                                                                                           |  |                                                                                                                                                                                           |  |                  |  |
| USB Interface             | 2 × USB 2.0                                                                                                                                          |  | Front panel: 1 × USB 2.0, rear panel: 1 × USB 3.0                                                                                                                                         |  |                  |  |
| Serial Interface          | RS-485 (half-duplex)                                                                                                                                 |  |                                                                                                                                                                                           |  |                  |  |
| Alarm In/Out              | 4/1                                                                                                                                                  |  | 8/4                                                                                                                                                                                       |  | 16/4             |  |
| Third-Party Cloud Storage | Dropbox, Google Drive, Microsoft OneDrive                                                                                                            |  |                                                                                                                                                                                           |  |                  |  |
| GENERAL                   |                                                                                                                                                      |  |                                                                                                                                                                                           |  |                  |  |
| Power Supply              | 12 VDC                                                                                                                                               |  |                                                                                                                                                                                           |  |                  |  |
| Consumption (w/o HDD)     | ≤ 15 W                                                                                                                                               |  | ≤ 20 W                                                                                                                                                                                    |  |                  |  |
| Working Temperature       | 14° F to 131° F (-10° C to +55° C)                                                                                                                   |  |                                                                                                                                                                                           |  |                  |  |
| Working Humidity          | 10% to 90%                                                                                                                                           |  |                                                                                                                                                                                           |  |                  |  |
| Dimensions (W×D×H)        | 12.4" x 9.5" x 1.8" (315 mm x 242 mm x 45 mm)                                                                                                        |  | 15.0" x 12.6" x 1.9" (380 mm x 320 mm x 48 mm)                                                                                                                                            |  |                  |  |
| Weight (w/o HDD)          | 3.3 lb (1.5 ka)                                                                                                                                      |  | 4.4 lb (≤ 2 ka)                                                                                                                                                                           |  |                  |  |

## Rear Panel

|    | Description              |
|----|--------------------------|
| 1  | VIDEO IN                 |
| 2  | AUDIO IN, RCA Connector  |
| 3  | AUDIO OUT, RCA Connector |
| 4  | VGA Interface            |
| 5  | HDMI Interface           |
| 6  | USB Interface            |
| 7  | LAN Network Interface    |
| 8  | RS-485 Serial Interface  |
| 9  | 12VDC Power Input        |
| 10 | Power Switch             |
| 11 | GND                      |
| 12 | VIDEO OUT                |
| 13 | Alarm In/Out             |

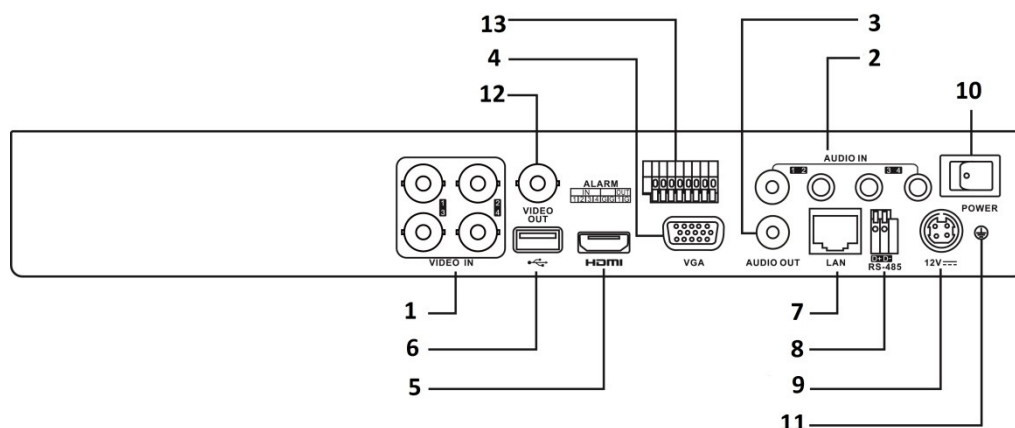


Figure 1, DS-7204HUHI-F1/N -  
(DS-7208HUHI-F2/N and DS-7216HUHI-F2/N provide 8 and 16 video input interfaces respectively) -