



## DS-7000HI-S Series Embedded DVR

### Overview

AIRSHIP DVR Client provides complete administrative and operational control of this Embedded DVR.

DS-7000HI-S series network digital video recorder is an excellent digital surveillance product using an embedded real time operating system, along with the most advanced H.264 video encoding available compressing analog video, recording video to installed hard drives, and providing network access for live and playback. DS-7000HI-S series devices can work standalone or as part of a powerful surveillance network. DS-7000HI-S series devices are widely used in finance, telecommunication, transportation, manufacturing, warehouse, shipping, gaming, and many other applications.



### Basic Functions

In addition to the user friendly AIRSHIP Client features, this Embedded DVR provides the following stand-alone features.

#### Recording

- Record to local HDDs or NAS
- Event Based Recording including schedule, manual, motion detection, and external alarm
- Auto-cycle old recordings out, or simply alarm when HDDs are full
- Backup the recorded files and clips with USB DISK, USB HDD, USB CD/DVD-R/W or Internal CD/DVD-R/W

#### Network

- Advanced Network Function: NTP, DDNS and E-mail
- TCP, UDP, RTP, and Multicast for network preview
- Network record live stream.
- Support IE browser preview and configuration
- Network PTZ control
- Support remote log query
- **Complete User and Administrative control via AIRSHIP Client.**

#### Preview & Playback

- BNC analog monitor and VGA output
- Multiple preview modes
- Privacy Mask
- View Tampering and Video Signal Loss alert
- Play forward, backward, pause, ff, rw, etc.
- User-defined preview layout
- Multi-channel playback by files or by time
- Display local recording status

#### PTZ

- Support for many common PTZ protocols.
- Preset, sequence, and cruise programming.

#### Alarms

- Exception alarm, motion detection alarm, external alarm, etc.

# Specifications

| Models                                     | DS-7004HI-S   | DS-7008HI-S              | DS-7016HI-S                       |
|--|---|--------------------------|-----------------------------------|
| <b>Video compression</b>                   | H.264   |                          |                                   |
| <b>Direct Connect Live View Resolution</b> | 4CIF (PAL: 704*576, NTSC: 704*480)  |                          |                                   |
| <b>Playback resolution</b>                 | 4CIF/2CIF/CIF/QCIF  | 2CIF/CIF/QCIF            |                                   |
| <b>Video Input</b>                         | <b>4</b> BNC  | <b>8</b> BNC             | <b>16</b> BNC                     |
| <b>Video Output</b>                        | 1 channel, BNC  |                          |                                   |
| <b>Video Spot Out</b>                      | 1 channel, BNC  |                          |                                   |
| <b>Video Loop Out</b>                      | <b>4</b> BNC  | <b>8</b> BNC             | <b>16</b> BNC                     |
| <b>Frame Rate (per channel)</b>            | 4CIF: 8fps<br>2CIF: 15fps   | DCIF: 8fps<br>CIF: 30fps | 2CIF: 8fps<br>CIF: 30fps          |
| <b>Stream Type</b>                         | Video or<br>Video & Audio   | Video Only               | Video or<br>Video & Audio (ch1-4) |
| <b>Bit Rate</b>                            | 32 Kbps up to 2 Mbps, user-defined  |                          |                                   |
| <b>Audio Input</b>                         | RCA (Linear Electrical Level, 600Ω)   |                          |                                   |
| <b>Audio Output</b>                        | 1 channel, RCA (Linear Electrical Level, 600Ω)  |                          |                                   |
| <b>Audio Compression</b>                   | OggVorbis, 16Kbps   |                          |                                   |
| <b>Communication interface</b>             | 1 RJ45 10M/100M Self-adaptive Ethernet Interface<br>1 RS232 interface, 1 RS485 interface                        |                          |                                   |
| <b>SATA interface</b>                      | 4 SATA interfaces, can max support 4 SATA HDD and each HDD can support 2000GB, or 2 HDD and 1 SATA CD-RW/DVD-RW |                          |                                   |
| <b>USB interface</b>                       | 1 USB interface can support USB disk, USB HDD, USB CD-RW/DVD-RW.  |                          |                                   |
| <b>VGA interface</b>                       | 1 VGA interface, supports resolution:<br>800*600/60Hz, 800*600/75Hz, 1024*768/60Hz                              |                          |                                   |
| <b>External alarm in</b>                   | <b>4</b>  | <b>8</b>                 | <b>16</b>                         |
| <b>Relay output</b>                        | <b>2</b>  | <b>4</b>                 | <b>4</b>                          |
| <b>Power supply</b>                        | 100~240VAC, 6.3A, 50~60HZ   |                          |                                   |
| <b>Power consumption</b>                   | 20~42W (without HDD or DVD-R/W)   |                          |                                   |
| <b>Working Temp</b>                        | -10°C~+55°C   |                          |                                   |
| <b>Working Humidity</b>                    | 10%~90%   |                          |                                   |
| <b>Size</b>                                | 14.25" standard (440mm*390mm*70mm)  |                          |                                   |
| <b>Weight</b>                              | ≤8Kg (without HDD or DVD-R/W)   |                          |                                   |

PAL: 176×144(QCIF), 352×288(CIF), 704×288(2CIF), 528×384(DCIF), 704×576(4CIF);  
 NTSC: 176×120(QCIF), 352×240(CIF), 704×240(2CIF), 528×320(DCIF), 704×480(4CIF).

BNC is (1.0Vp-p, 75Ω)