

# AIRSHIP



## AIRSHIP ES-16XX Embedded DVR

### Overview

AIRSHIP DVR Client provides complete administrative and operational control of this Embedded DVR. ES-16XX 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. ES-16XX series devices can work standalone or as part of a powerful surveillance network. ES-16XX 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 standalone features.

- H.264 video compression
- Up to 16ch analog video input & 4ch Audio Input
- Up to 4CIF analog recording resolution
- Each channel supports dual stream
- Up to 16ch synchronous playback
- Independent Video encoding parameters
- VGA monitor and composite spot video output
- Supports DDNSE-mail alert configuration
- Easy USB backup
- Remote viewing through IE browser or client software
- Supports input from front control panel, mouse, IR remote and keyboard operation
- Pentaplex operations enables simultaneous recording, live view, playback, back-up and network operations

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### Advanced Features

- S.M.A.R.T. technology
- HDD stand by function
- Advanced motion detection and analytics, including privacy mask, tampering and video loss alerts
- Pre/Post-recording of alarm and motion detected events
- PTZ controls with preset, patrol and pattern settings
- Multi-user level management with password protection
- Full system logging including operation, alarm and defined events
- Built-in reporting of various alarms, including hard disk errors, unauthorized log-ins and network conflicts
- Lock and unlock video files
- Supports NTP (Network Time Protocol) and SADP (Search Activated Device Protocol)

### Video/Audio Input

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Video Compression	H.264
Video Input	4, 8 or 16 BNC (1.0 Vp-p, 75 Ω)
Audio Compression	OggVorbis
Audio Input	4 Ch, BNC (2.0 Vp-p, 1 kΩ)

### Video/Audio Output

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VGA Output	Up to 1024x768 (60 Hz)
Recording Resolution	ES-4XX: 4CIF@8fps, 2CIF@16fps, CIF@30fps ES-8XX / ES-16XX : 4CIF@2fps, 2CIF@6fps, CIF@30fps
Video Output	BNC (1.0 Vp-p, 75 Ω)
Recording/Playback	4CIF@15fps, 2CIF@ 30 fps, all channel playback
Video Bitrate	32 kbps-2048 kbps
Audio Output	BNC (Linear Electric Level, 600 Ω)
Audio Bitrate	16 kbps

### External Interface

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Network Interface	1x RJ45 10M/100M/1000M Ethernet
Serial Interface	RS-485 (PTZ)
USB Interface	2x USB 2.0
Alarm Input / Output	Up to 16 (terminal block) / 4 (terminal block)

### Dimension and Electrical

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Power Supply / Consumption	100-240V, 60 Hz / <40W (w/o HDD)
Temperature / Humidity	14° - 131° F / 10% - 90%
Size / Weight	15" (L) x 17" (W) x 2 3/4" (H) / 12 lbs.