

CHURCH HILL

N A V I G A T I O N



ION - The Next Generation of Video Recording

- ▶ Color Display ◀
- ▶ Multi-Channel HD Recording ◀
- ▶ Playback While Recording ◀

CHURCHILL

NAVIGATION

— THE LEADER IN AUGMENTED REALITY MISSION MANAGEMENT SYSTEMS —

ION - The Next Generation of Video Recording



The ION video recorder offers simultaneous recording of two channels of HD-SDI video, one channel of analog video, audio, and metadata. *Need to record more video inputs?* ION can be stacked for 4x, 8x, or an unlimited number of recording inputs.

ION's solid state system is simple to use, rugged, and reliable. ION features a full color screen that shows the video that has been recorded, giving you complete confidence that the action is being captured.

Video is recorded in H.264 to removable USB or SD media for incredibly easy transport and handoff.

+ ION Features:

- ⊕ Record two channels of HD-SDI and one channel of analog video simultaneously.
- ⊕ Record two channels of audio.
- ⊕ Capture KLV MISB/STANAG 4609 compliant metadata.
- ⊕ Intuitive user interface and the color display shows what's being recorded.
- ⊕ Playback and review WHILE RECORDING.
- ⊕ Never miss the action ...the record buffer captures minutes of video prior to the RECORD button being pressed.
- ⊕ Auto-record the hoist camera when on and auto-record the gimbal at skids-off.
- ⊕ Built-in video scaler, framerate conversion, flexible encoding parameters.
- ⊕ Embed GMTI RADAR data, AIS, ADS-B, etc. into transport streams.
- ⊕ NVG certified screen and backlit buttons.
- ⊕ DO-160 qualified.
- ⊕ Recording support for HD-SDI (720p, 1080i, 1080p) and Analog (PAL, NTSC, RS-170, S-Video, Component).

+ UNRIVALED SUPPORT AND WARRANTY

Each ION includes:

- 3 year hardware warranty
- 1 year money-back guarantee
- 24 hours warranty replacement (USA)
- No charge for support or updates



TECHNICAL SPECIFICATIONS:

Front Connections:

USB 3.0 x 2
SD Card x 2

Rear Connections:

SDI Input x 2	SDI Output x 1
RS-232 x 5	RS-422 x 2
Audio In x 2	Audio Out x 2
GPIO x 4	USB 3.0 x 1
Gigabit Ethernet x 1	
Analog Video Input x 1	
ARINC 429 X 2 IN, 1 OUT (Optional)	
28 VDC Input, Panel Dimming	

Storage:

External - Continuous uninterrupted recording with Hot-Swap

Weight:

2.49 Lbs / 1.13 Kg

Size:

7" L x 5" W x 1.875" H /
177.8 mm x 127 mm x 47.6 mm

Price:

Starting at \$9,500 for full multi-channel STANAG 4609/MISB DVR capability