ION - The Next Generation of Video Recording

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

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ION - The Next Generation of Video Recording

The ION video recorder offers simultaneous recording of 2 channels of HD-SDI video, 1 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 includes a full color screen that shows the video being recorded, giving you complete confidence that the action is being captured.

ION includes playback while recording and built-in WiFi for real-time video streaming to tablets and other mobile devices. The video is recorded in H.264 to removable USB or SD media for 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 MISI/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
- Stream real-time video to tablets and other mobile devices with ION's built-in WiFi (including Pause and Rewind capabilities)
- 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 Compatible screen and backlight buttons
- DO-160 Qualified
- Recording support for HD-SDI (720p, 1080i, 1080p) and Analog (PAL, NTSC, RS-170, S-Video, Component)

**ION TECHNICAL SPECIFICATIONS:**

<table>
<thead>
<tr>
<th>Front Connections:</th>
<th>Rear Connections:</th>
</tr>
</thead>
<tbody>
<tr>
<td>USB 3.0 x 2</td>
<td>SDI Output x 1</td>
</tr>
<tr>
<td>SD Card x 2</td>
<td>RS-422 x 2</td>
</tr>
<tr>
<td><strong>Audio In x 2</strong></td>
<td>Audio Out x 2</td>
</tr>
<tr>
<td><strong>GPIO x 2</strong></td>
<td>USB 3.0 x 2</td>
</tr>
</tbody>
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**Gigabit Ethernet x 1**

**Analog Video Input x 1**

**ARINC 429 X 2 IN, 1 OUT (Optional)**

**26 VDC Input, Panel Dimming**

**Storage:**
- Internal - to 1TB
- 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/MISI DVR capability

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**+ UNRIVALED SUPPORT AND WARRANTY**

Includes a 3 year hardware warranty, 1 year money-back guarantee, 24 hour warranty replacement (USA), no charge for support or updates.

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