

## StreamCorder-HD

Standalone HD-SDI H.264 Video Recorder and Streamer

The StreamCorder-HD is an intelligent, stand-alone, H.264 Streaming solution that accepts HD-SDI input at up to 1080p30 and encodes and streams over 100/1000MBit Ethernet. The single board solution is ideal for demanding applications in Military, Communications, Transportation, mining and Energy industries.



The flexible streaming engine can stream the compressed video direct from the on-board Ethernet port as well as save directly to local storage for later retrieval. Stereo audio embedded in the input HD-SDI source can also be captured and streamed, synchronized with the video.

Designed for mobile, UAS and Vetronix applications, the StreamCorder-HD supports extraction of KLV (MSB 0605.3 compliant) embedded data contained within the HD-SDI that can be synchronized and streamed with the compressed video. The StreamCorder-HD also features optional on-board Controller Area Network (CAN), 3-Axis Accelerometer, High sensitivity GPS receiver, Altimeter, and 3-Axis Digital Magnetometer (e-compass). These can integrate with other vehicle systems and data from these sources can be used as meta data embedded within the video and streamed to clients or saved for later analysis.

Industrial

Surveillance

and

Aerial

Observation

of large areas



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The StreamCorder-HD is an intelligent stand-alone device with it's own on-board CPU and does not require a host CPU or any driver or OS software. For mechanical convenience the module can be mounted on a PCIe104 stack without consuming host CPU resources.



### Applications

- Unmanned vehicles (UAV, ROV)
- Rugged video recorders for marine, aviation
- Situational Awareness
- Remote Video Surveillance
- Border Security
- Traffic Monitoring and Control
- Video Acquisition and Analytics
- Solid state multi-channel video and sensor recorders

Real-time  
transmission of  
High quality video,  
Audio,  
and  
Synchronized  
metadata