

VideoTank HD™

Really Small, Compact, Rugged, High Definition H.264 Recorder with Removable Storage via Industry Standard Compact Flash Cards. Designed to Provide High Definition Storage for Rugged Mobile Applications Such as Military, Sports, and Remote Data Gathering Where Small HD Cameras are Deployed. Full Control via LCD Panel and On Board Push Buttons.



Features

- Compression: H.264 Level 4, High Profile
- Small Size – 3.3 inch x 3.3 inch x 1.6 inch
- Resolution – up to 1080p 30/1080i 60
- Automatic standards detection
- Transport Stream: ISO/IEC 13818-1 compliant transport stream on HD-SDI output
- Embedded audio (stereo)
- Built-in microphone
- Control via touch screen, RS-485, or USB
- PC readable file format, no additional tools or converters necessary
- Integrated file-safe operation – helps prevent corrupt files in case of errors, power loss, etc.
- Storage Media: commercial Compact Flash cards – Up to 32 GB cards are supported (two hours of 1080i content)
- Metadata Storage: additional metadata like timestamps, recording info, etc. can be stored on the Compact Flash
- Headphone connectors
- Power Supply: 9 - 36 V
- Coming soon – ASI output

Applications

- Video encoding and decoding
- Ideal for use with compact HD cameras
- Military, law enforcement, Reality TV, Sports broadcasting, Electronic News Gathering (ENG)

Overview

H.264, also known as MPEG-4, is the latest manifestation of video codecs as they evolve from MPEG-1 and MPEG-2. MPEG-4 is a more advanced codec and requires half the bandwidth of MPEG-2 for similar resolution and quality. MPEG-4 is not widely used in the USA inasmuch as MPEG-2 is the adopted standard for digital television. Interestingly, H.264 has recently been adopted by ATSC as the codec standard for ATSC-M/H (Mobile Handheld).

VideoTank HD is a compact HD recorder and storage device that uses compact Flash Cards which can be easily exchanged.

VideoTank HD is the ideal complement for broadcast applications using small HD cameras, where cameras will be placed in small spaces such as a race car or helmet. The VideoTank HD excels in being robust against power loss and corrupt files.

This product is available in an OEM format and can be modified and repacked as you may need. Please contact us if you wish to discuss custom opportunities.

Physical Characteristics

Inputs: HD-SDI (SMPTE 292M)

Outputs: HD-SDI (SMPTE 292 M)

LCD Front Panel

Power Requirements: 12 volts @ 1.2 A

Push Buttons:

- Start Recording
- Stop
- Fast Forward
- Play