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microStorage ULTRACOMPACT MULTIFORMAT HDTV FLASHRECORDER

The microStorage is the next generation recording device for video professionals. The compact form factor, the low power dissipation and the rugged design makes the microStorage the perfect partner in various applications.

A superior MPEG-4 AVC/H.264 video codec ensures best image quality while simultaneously decreasing the required storage space.

The transport stream file format is fully compatible with the widely-used ISO 13818 standard allowing seamless workflow integration. This storage solution allows more than 8 hours recording time on a single 32 GB CompactFlash card.

As an additional feature an ASI output interface can be included to provide high resolution and high quality video streaming solutions.

The audio support and the intuitive user interface round up this highly integrated recording device.

Applications

Broadcast

- extreme sport events
- live entertainment

Film

- proxy generation for faster and easier post processing
- preview generation for onset inspection

Scientific imaging / diagnostics

- full customizable design
- integrated ASI-Streaming and multiplexing for long distance low data rate transmission e.g. underwater in 3D



Technical Data

Video

Compression: MPEG-4 AVC/H.264
High Profile, Level 4.0 (ISO/IEC 14496-10)
Adjustable bitrate: 2 – 20 Mbps
Formats: NTSC/PAL, 4:3/16:9
720p @ 50, 59.94, 60 Hz
1080i @ 50, 59.94, 60 Hz
1080p @ 23.98, 24 Hz

Audio

Compression:
MPEG-1 Layer 2 (ISO/IEC 11172-3)
Bitrate: 48 kHz, 16 bit, 192 kbps, stereo

Recording

Storage media: CompactFlash cards
(8 hours recording time on 32 GB card)
Storage format: transport stream (TS)
(ISO/IEC 13818-1)

Control interface

Touchscreen display,
RS-485 serial interface

Input/Output

SDI IN
SDI OUT (with embedded audio)
ASI OUT
MIC IN, Speaker OUT
Power (with trigger and RS485)
USB 1.1 (service)
CompactFlash card slot

Failsafe

Integrated failsafe operation in case of
video link error, power loss,
non-volatile storage

Physical

Power supply: 9-36 V, 5 W
Weight: 350 g
Size: 80 mm x 80 mm x 40 mm

Extensions

ASI input/output interface
Additional metadata timecode, payload
identifier and recording infos

- 1 *microStorage mounted on High Octains racecar*
- 2 *DTM onboard recording*