

megacine



megacine

The portable field recorder Megacine is a new mobile storage concept for DC (Digital Cinema) and HD (High Definition) sequences, developed for use on film sets and post-production.

The Megacine offers small size, comfortable handling and up to 2 hours of recording time for uncompressed image data. The data are stored on a raid array of up to 16 notebook hard disk drives with a current storage capacity of up to 2 terabytes. The recorded sequences can be played back in the same quality as they are captured or they can be converted into other frame rates. Serving as an external hard disk, the Megacine stores each video frame separately as an independent file, so that direct transfer to postproduction systems is possible immediately. Immediate access to image data is guaranteed: no longer waiting for film processing, no need for additional video equipment. Just connect a camera and you are ready to record!

Technical Specifications (click to show)

Key Features

- 2 hours recording capacity for uncompressed DC or HDTV image data
- Comfortable handling due to small and compact housing size
- Support for any format in Dual Link and Single Link HD-SDI
- 3D recording support
- Bayer pattern support
- No loss of image quality
- Storage of Audio, Timecode and other meta data together with image data
- FireWire / FibreChannel for easy access to content (Up / Download)
- Flash version (SSD) available

Applications

- Digital Cinematography
- High-quality HD origination & transfer
- Specials: 3D, Panorama, Bayer pattern

Input

- Digital Video Input: Dual Link HD-SDI w/ emb. Audio, 2 BNC (SMPTE292M, SMPTE372M)
- Analog Genlock IN, 1 BNC
- LTC IN, 1 BNC

Output

- Digital Video Output: Dual Link HD-SDI w/ emb. Audio, 2 BNC (SMPTE292M, SMPTE372M)
- LTC OUT, 1 BNC
- Analog Stereo Output, 1 TRS

Video Formats

- Dual Link: 2048x1080 Pixel, 24p, XYZ, 4:4:4, 12b (Digital Cinema)
- Dual Link: 1920x1080 Pixel, 24p/25p/30p, RGB, 4:4:4, 10b/12b
- Dual Link: 1920x1080 Pixel, 48p/50p/60p, YUV, 4:2:2, 10b
- Single Link: 1920x1080 Pixel, 23.97p/24p/25p/29.97p/30p/50i/60i, YUV, 4:2:2, 10b
- Single Link: 1280x720 Pixel, 50p/60p, YUV, 4:2:2, 10b
- Bayer pattern: ARRI D20, Weisscam, MicroHD, LMP, ...

IT Interface

- FireWire (IEEE 1394), 400 Mbps
- FibreChannel, 2 Gbps

Control

- RS232 / RS422 (Sony 9Pin)
- Record IN / Tally OUT
- Integrated Keypad

Software

- Download / Backup
- Export to: YUV, TIFF, BMP, RAW, DPX, DNG, WAV (Audio)
- Proxy generation: MPEG-2, JPEG2000
- Version for Win, Mac, Linux

Storage

- Max. 2 TeraByte HDD or SSD
- 90 min @ 4:4:4, 180 min @ 4:2:2
- RAID-6 (data security)
- Flash version (SSD) available

General

- Integrated preview & status monitor, TFT, 640 x 480 Pixel
- Battery mount: Sony / AB (optional)
- Size: 11.3 x 8.1 x 7.6" / 286x206x194 mm
- Power: 12 - 36 V DC, 90 VA
- Weight: 17.6 lbs / 8 kg

Specifications are subject to change without notice.

 [Click to download page as PDF](#)