» get over the limits

MikroM

megacine
Compact portable Field Recorder

TURNING TECHNOLOGY INTO PRODUCTS

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 postproduction.

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!

3D & Bayer pattern

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

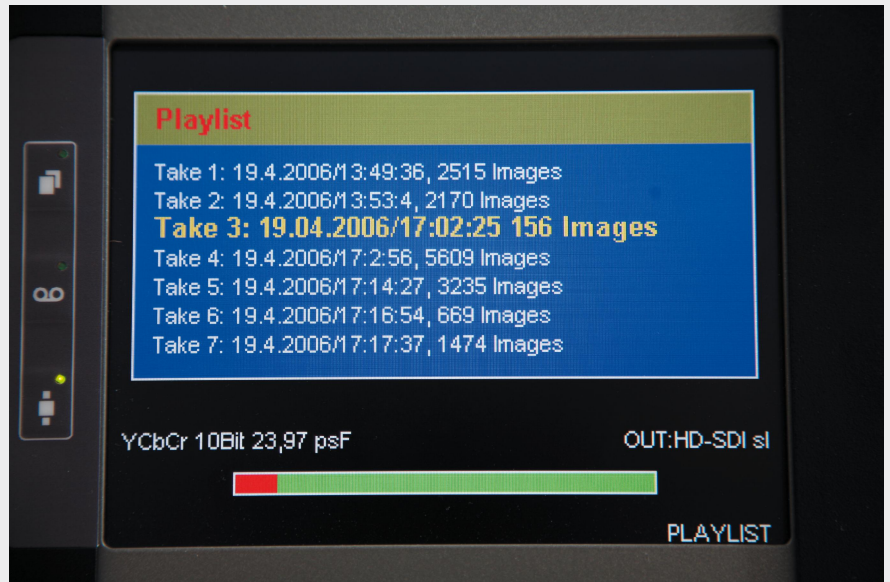FireWire / FibreChannel for easy access to content (Download)

Flash version (SSD) available

APPLICATIONS

Digital Cinematography

High-quality HD origination & transfer

Specials: 3D, Panorama, Bayer pattern

Megacine Display

TECHNICAL SPECIFICATION

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

HDMI (planned)

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

Dual Link: 1920x1440 Pixel,
ARRI D-21 M-Scope,
23,97p/24p/25p, 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 D-20/D-21, WIGE,
Weisscam, MicroHD, LMP, ...

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

De-Mosaicing / De-Bayering (optional)

Version for Win, Mac, Linux

IT INTERFACE

FireWire (IEEE 1394), 400 Mbps

FibreChannel, 2 Gbps

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'' / 286 x 206 x 194 mm

Power: 12 - 36 V DC, 90 VA

Weight: 17.6 lbs / 8 kg