



FLASHBOX – DIGITAL CINEMA ONBOARD RECORDER

Fraunhofer Institute for Integrated Circuits IIS

Executive Director
Prof. Dr.-Ing. Heinz Gerhäuser
Director
Prof. Dr.-Ing. Günter Elst

Am Wolfsmantel 33
91058 Erlangen, Germany
Phone +49 9131 776-0
Fax +49 9131 776-999
info@iis.fraunhofer.de

Contact
Department Electronic Imaging
Dr. Siegfried Foessel
Phone + 49 9131 776-5140
Fax +49 9131 776-5108
fsl@iis.fraunhofer.de

www.iis.fraunhofer.de

Fieldrecorder for uncompressed (and compressed) recording and playback of HD sequences (YCbCr422 or RGB 444 or Dual Stream YCbCr): small size, light-weight

Interfaces

- Dual Link HD-SDI in HD and 3G
- Dual Link HD-SDI out HD and 3G
- 422 Preview over separate HD-SDI out
- Preview over HDMI out
- 8 Channel Embedded Audio or 2 Channel Analog Audio in/out
- VTR control over RS422
- Tally/Record I/O
- USB-Interface for configuration and updates

Power

- voltage 10-35V
- consumption about 20W

Dimensions (without heatsink)

175mm x 115mm x 74mm

Weight

1300 gramms (without cartridges)

Optional for future systems

JPEG2000 compression/decompression

Storage Media

- two SSD storage cartridges insertable
- Cartridge size: 120mm x 80mm x 187mm
- iVDR/SATA 3G interface
- Performance per cartridge:
>170MByte/s Read or Write
- USB and SATA adapter for direct connection to workstations available
- Weight per cartridge: 140g

Operation conditions

- two cartridges for Dual Link HD-SDI Mode
- one cartridge for Single Link HD-SDI Mode

Features and specifications are subject to change without prior notice.