

DMS 2000

DIGITAL MASTERING STATION DCI-JPEG2000

Hardware accelerated
DCI-JP2000 encoder

Dual-link HD-SDI interface (option)

Preview the JPEG2000 encoded
video and audio on the HD-SDI output

Encode XYZ 12-bit 444
files at up to 250Mbps

Color space conversion
of the image files (option)

Supports up to
16 audio channels



The DMS-2000 is a complete DCI-JPEG2000 authoring system with extensive encoding parameter controls and support for bit rates up to 250 Mbps. It is the first product to combine all the tools for 2K and 4K image compression processing in one package.

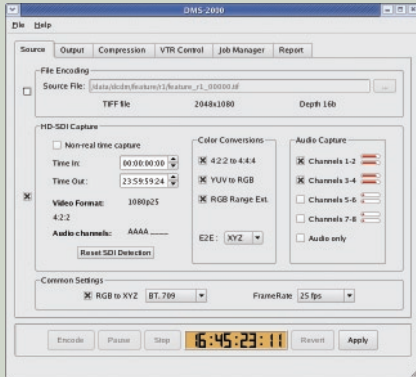
The DMS-2000 features constant quality variable bit rate (VBR) encoding to produce the highest possible image quality at file sizes significantly smaller than those achieved with constant bit rate encoding (CBR). A smaller digital movie file size provides for reduced duplication time and distribution costs.

The DMS-2000 is currently the only hardware accelerated DCI-JPEG2000 encoder on the market. Competing software-only encoders are typically slower and require complex multi-processor workstations.

The system features a hardware accelerated JPEG2000 compressor in a Linux package with internal storage.

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SOFTWARE



DMS Control Utility

Provides full control of the DMS-2000 mastering functions. Select source input, compression parameters and more.

SPECIFICATIONS

VIDEO INPUT

Serial Digital Interface (Option)
Dual Link HD-SDI
with color space conversion
Supports 2k and 1080p
Accepts 24 and 25fps video
30fps at half speed
TIFF Files 16Bit (other formats also supported)
with color space conversion (Option)

VIDEO OUTPUT

Serial Digital Interface
Dual Link HD-SDI
For preview of encoding in real-time for
JPEG2000 file (non real-time for TIFF files)
with HD-SDI embedded audio

VIDEO ENCODING

Bit Rate
JPEG2000: 50 to 250 Mbits/sec
2K Resolution
4K Resolution (Option)

AUDIO INPUT

WAV Broadcast Files
Uncompressed 24-bit, 48kHz and 96kHz
Embedded on HD-SDI (48kHz)

CONTROL INTERFACE

DMS Control Utility (Linux Version)

EXTERNAL CONNECTIONS

Two Gigabit Ethernet Ports
SCSI Ultra 320
Dual 4Gig Fibre Channel

GENERAL

100-240VAC 50-60Hz
Encoder Station
3RU - 19 inch (45cm) depth

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