Dolby® CineAsset

Dolby® CineAsset is a complete mastering software suite that can create and play back DCI-compliant digital cinema packages (DCPs) from virtually any source. The Pro version of Dolby CineAsset allows for the generation of encrypted DCPs along with the ability to easily generate key delivery messages (KDMs) for any encrypted content in the Dolby CineAsset database.

With Dolby CineAsset, asset management has never been simpler. Drop folders allow for automated transfer of image sequences and other media files into the database. Dolby CineAsset offers additional functionality when used with Dolby digital cinema servers, including transport controls, file transfer, and KDM management for the connected device.

The Dolby CineAsset suite includes Dolby CineAsset, Dolby CinePlayer, and the Dolby CineInspect DCP validation tool.

**CINEASSET KEY FEATURES:**
- Create and playback DCPs with subtitles
- Generate encrypted DCPs (Pro version only)
- Subtitle editor
- Optional render nodes reduce render times
- Dolby Atmos® support
- Multiple filters (scale, XYZ color space conversion, timecode burn-in, logo overlay, audio delay, trimmer)
- Custom LUTs and Matrix values for color conversion
- High-frame-rate support
- Supplemental DCP support
- KDM and certificate manager
- Generate KDMs for encrypted content (Pro version only)
- Drop-in folder for automated transfer of image sequences and other media files
- CineInspect DCP validation tool
- Event Cinema support with H.264 encoding, MPEG2 encoding, and VC1 wrapping
- DCP import and editing with DKDM support
- Archive frame rate support
- Theatre key retrieval
- Command line support

**CINEASSET DEVICE CONTROL**:†
- Device KDM and certificate manager
- Convert, transfer, schedule and playback 2D or 3D video clips

*CinePlayer DCP Player:
- Real time XYZ to RGB color conversion
- Playback encrypted DCPs
- Playback DCPs with subtitles
- Playback other multimedia formats (MXF, MOV, etc.)
- Adjustable playback frame rate
- SDI output with third party I/O card (Supported I/O devices: Blackmagic Design Decklink)
Dolby CineAsset Mastering Software Suite

SYSTEM REQUIREMENTS: WINDOWS®:

- OS: Windows Vista®, Windows 7, Windows 8.1
- RAM: 4 GB minimum; 8 GB recommended
- CPU: Intel® Core™ 2 Duo minimum; Core™ i7 quad core or Xeon® recommended
- Graphics adapter: minimum 512 MB dedicated memory
  (Intel integrated graphics not recommended)

SYSTEM REQUIREMENTS—MAC®:

- OS: 10.7.X–10.9.X
- RAM: 4 GB minimum; 8 GB recommended
- CPU: Intel Core 2 Duo minimum; Core i7 quad core or Xeon recommended
- Graphics adapter: minimum 512 MB dedicated memory
  (Intel integrated graphics not recommended)

SUPPORTED CONTAINERS:

- AVI
- MOV
- MXF
- MPG
- TS
- WMV
- M2TS
- MTS
- MP4
- MKV

SUPPORTED VIDEO CODECS:

- JPEG2000
- ProRes-422
- DNxHD*
- YUV Uncompressed
  (8–10 bits)
- DIVX
- XVID
- MPEG4
- AVC/H.264
- VC-1
- MPEG2

SUPPORTED IMAGE SEQUENCES:

- BMP
- TIFF
- TGA
- DPX
- JPEG
- J2C

SUPPORTED AUDIO:

- WAV
- MP3**
- WMA
- MP2

SUPPORTED OUTPUT FORMATS:

- JPEG2000
  - 2D and 3D at up to 4K resolution
  - Bit rate: 50–500 Mbps
  - Speed: Real-time or faster processing when using optional render nodes

- MPEG2
  - I-Only or Long GOP
  - Bit rate: 80 Mbps

- H.264
  - 1080p up to 50 Mbps

- VC1
  - DCP wrapping only (no transcoding)

When using CinePlayer for real-time playback of 2K, 24 fps DCPs with color conversion, the following minimum configuration is recommended:

- CPU(s) with minimum 12 threads (12 physical cores or six cores with HT Technology)
- 4 GB RAM
- Graphics adapter with minimum 1 GB dedicated memory
- Fast local storage dedicated to DCP content (7,200 RPM SATA III HDD or SSD)

DOLBY CINEEXPORT

Dolby CineExport is a plug-in for Apple® Compressor used to convert Final Cut Pro® sequences and popular media formats to 2D or 3D DCI-compliant digital cinema packages (DCPs) at resolutions up to 4K. MPEG2 and H.264 encoded DCPs can also be created for alternative content and compatible players.

The Pro version of Dolby CineExport allows for the generation of encrypted DCPs along with key delivery message (KDM) generation for encrypted content.

* To use Avid® DNxHD codec technology from Avid Technology, Inc., in CinePlayer from Dolby, plug a licensed Avid DNxHD codec into a licensed QuickTime® player. Avid Technology, Inc., is not affiliated with Dolby.

** To use MP3 codec technology in CinePlayer, install a licensed QuickTime player on your computer. QuickTime player is not a Dolby product, and it is not provided as part of CinePlayer available from Dolby.

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