

# DCP-2K4™

## Digital Cinema Server

DCP-2K4™

Multi-File Playback | 3D Playback | 2K & 4K Playback | Enhanced Security  
Captioning Device Control | DVD & Removable SATA Ingest Inputs | CineLister



The DCP-2K4 cinema server is a modification of the DCP-2000, which was the first commercially available server capable of playing JPEG2000 digital movies conforming to DCI specifications.

They both provide superior reliability, image quality and an unmatched feature set.

The DCP-2K4's 4U configuration includes DVD-ROM and removable SATA ingest inputs that give exhibitors additional flexibility on how they receive and ingest content at the screen level.

Like the DCP-2000, the DCP-2K4 plays JPEG2000 and MPEG2 MXF files. It also supports all of the latest 3D technologies including REAL D, XpanD, Sensio 3D, Dolby 3D, and dual-projectors 3D playback. External control of captioning devices and 4K resolution playback are also available.

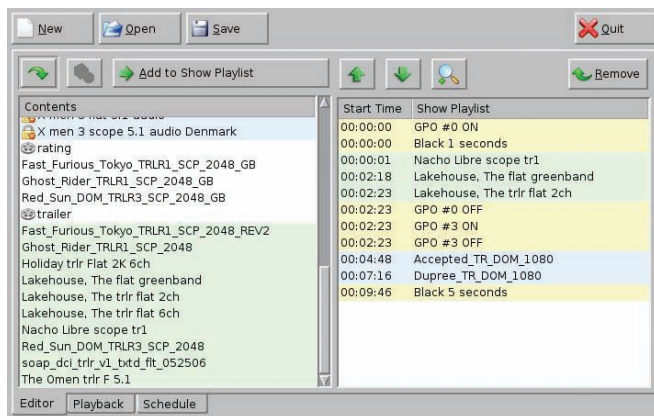
Each DCP-2K4 server includes the CineLister software utility that provides effortless scheduling and playlist administration. Playlists can include both JPEG2000 and MPEG2 movie files, and pre-show content files.

Doremi servers are by far the most installed digital cinema server with over 5500 units worldwide.

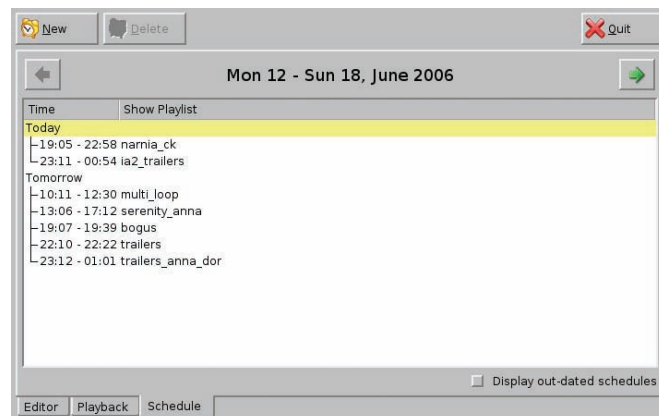
**Any Screen, Any Projector, Any 3D System.**



## CineLister SOFTWARE



Event Editing Screen



Play List Scheduling Screen

CineLister allows the operator to build and play composition playlists as well as full session playlists. Playlists can include both JPEG2000 and MPEG2 movie files and pre-show content files. The graphic user interface simplifies the management of image files and creation of new image clips. CineLister's extensive playlist creation capability can be used for on-line playback and play list scheduling.

## SPECIFICATIONS



### PLAYBACK

JPEG2000 2K or 4K movie and pre-show file playback at 2K resolution  
 12-bit 444 (XYZ, RGB) on dual link HD-SDI  
 MPEG2 MXF interop movie, pre-show and alternative content file playback  
 JPEG2000 4K movie file playback at 4K resolution (option)  
 3D - JPEG2000 movies and 48p playback via Dual 10-bit 422 (YPbPr/YCxCz)

### SECURITY

TI's CineLink II Strong Link Encryption  
 Thomson's NexGuard Forensic Watermarking  
 Philips' CineFence Forensic Watermarking  
 FIPS 140-2 Level 3 Security Certified

### INTERFACE

Gigabit Ethernet for file transfer  
 Gigabit Ethernet for control & subtitling  
 RS-422 serial control port  
 USB2.0  
 External control of captioning devices  
 WGBH & PCS (Option)

### STORAGE

Up to 2TB of RAID5 storage

### AUDIO

Default:  
 AES/EBU audio 16 channels:  
 -Single DB-25 connector.

### Additional Options:

Balanced or unbalanced analog audio 8 channels  
 -External digital audio (DB-25) to analog audio converter in a 1RU rack mount chassis (AUD-D2A product).

### GPIO

8 optically isolated inputs  
 8 open collector outputs

### INGEST INPUTS

USB  
 Ethernet  
 CRU SATA 2  
 DVD-ROM

### VIDEO OUTPUT

Dual link HD-SDI  
 with physical link encryption

### OUTPUT RESOLUTION

-Dual link  
 2048 x 1080 24p 4:4:4 12-bit  
 -Two single links  
 2048 x 1080 24p 4:2:2 10-bit

### POWER

Dual-Redundant Power Supply  
 100-240VAC 50-60Hz ( 2x400W )

### DIMENSIONS

4U Rack Unit  
 19" x 22" x 7" inch  
 (48 x 56 x 19 cm)  
 Weight 48lbs/22Kg