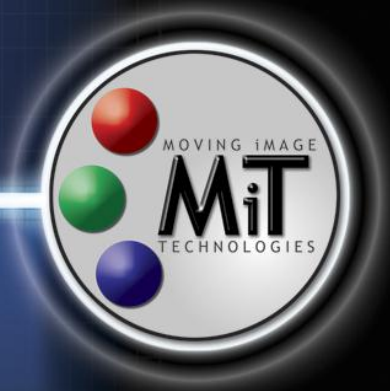


MOVING iMAGE TECHNOLOGIES



# NETWORK OPERATIONS CENTER (NOC)



## Monitoring the Heartbeat of Your Digital Cinema Systems

- ♥ 24/7 Health and Status Monitoring
- ♥ Early Detection of Problems
- ♥ Proactive Response and Correction
- ♥ Phone Support
- ♥ Remote Support
- ♥ Remote Firmware Software Upgrades
- ♥ Consumables Management
- ♥ Direct connection to your digital cinema network. (Via your ISP)

# A HELPFUL GLOSSARY OF COMMON DIGITAL CINEMA TERMS

**2K** - Abbreviation for 2048. 2K normally refers to a count of 2048 horizontal and 1556 vertical pixels in the DI world, but for DCinema, 2K means a scope picture represented by 2048 x 858 pixels and a flat picture represented by 1998 x 1080 pixels.

**4K** - Abbreviation for 4096. 4K normally refers to the count of 4096 horizontal and 3112 vertical pixels in the DI world, but for DCinema, 4K means a scope picture represented by 4096 x 1714 pixels and a flat picture represented by 3996 x 2160 pixels.

**Composition** - A single element used for a DCinema presentation - ex: a feature or a trailer or an advertisement. A composition contains everything required for a successful screening of the content. This usually includes image, audio, subtitles, and a Composition Playlist.

**Compression** - The process of reducing the amount of data by removing redundant or imperceptible information. Most compressed files need a device or software to decompress the file in order to play it back.

**CPL** - (Composition Playlist) A text file that contains all of the information on how the files for a specific Composition should be played back, including how the audio and subtitles are synchronized with the picture. The CPL could contain one reel or many reels, and there are different CPLs for each soundtrack or version that would play back. The CPL is created by the Digital Cinema Packaging Facility.

**DCI** - Digital Cinema Initiatives LLC (DCI) was created in March, 2002, and is a joint venture of Disney, Fox, Paramount, Sony Pictures Entertainment, Universal and Warner Bros. Studios. DCI's primary purpose is to establish and document voluntary specifications for an open architecture for digital cinema that ensures a uniform and high level of technical performance, reliability and quality control.

**DCP** - (Digital Cinema Package) A generic term for a container/collection of Digital Cinema files (compressed image files, uncompressed audio files, subtitle files) and its associated Packing List. More specific types of DCPs include the Feature DCP (contains all of the files for a feature), a Trailer DCP (contains all of the files for a trailer) and a Distribution DCP.

**DLP** - Cinema Technology from Texas Instruments projects crystal clear, razor-sharp and lifelike images for the ultimate in picture quality. DLP Cinema technology delivers a true digital picture with incredible clarity and vibrant colors every show.

**Encryption** - The process of changing easily-read data into something that can only be read by the intended recipient of the data.

**HFR** - 48/60 Frames - Image frame rates above and beyond the 24 frame per second cinema standard. HFR results in smoother, more life-like, motion on screen.

**JPEG2000 (JPEG2K)** - A type of image compression used to reduce the file size. Currently, JPEG2000 is used for 2k and 4k Digital Cinema presentations.

**KDM (Key)** - Contains all of the keys necessary to allow the playback of a composition on a specific server during a certain time period. The KDM is ordered by a specific CPLID#. The KDM is delivered separately from the DCP shipment that it is associated with. Frames per Second (FPS) The rate at which images are displayed (Typically 24 FPS for Cinema).

**LMS** - Library Management Server - The central storage server that stores DCP content.

**Media Block (MB)** - The hardware device(s) that convert(s) the packaged content into the streaming data that ultimately turns into pictures and sound in the theater. The MB is a secure entity that is not field serviceable.

**MiT** - MOVING iMAGE TECHNOLOGIES - Your premiere source for Digital Systems, Integration and NOC Services. 17760 Newhope St. Fountain Valley, CA 92708 (714) 751-7998

**NEC** - The premium choice for DLP Cinema Projectors. Available from MiT. Call MiT today for a quote.

**NOC** - Network Operations Center, A local or remote location for administering and monitoring servers and other networked devices via a high-bandwidth internet connection. MiT can monitor all of your Digital Cinema Devices from our NOC.

**OC/CC** - Open captions are on screen text of the spoken or descriptive content on screen for the deaf. Closed captions are the same text content but not displayed on screen Closed captions are meant to be displayed on a personal captioning device.

**SMS** - The user interface that a theater manager would use to control a single screen's system including start, stop, the creation or selection of a Show Playlist and editing of a Show Playlist. It is required that each auditorium has one SMS.

**SPL** - A playlist that describes the order of how the Compositions should play back and is typically created by exhibition and transferred to the equipment controlling a particular screen. The exhibitor could have multiple Show Playlists.

**TMS** - Theatre Management System - The Central server responsible for managing content and scheduling between screens. Managers can build SPL's on this system.