NIKRAD
DIGITAL CINEMA

A hybrid server that does it all!

Standard D-Cinema package playback, modern formats such as HEVC up to 4K with HDR support, along with the good old E-Cinema packages, tuned to your projector requirements.

NIKRAD NCSD-1000
Digital Cinema Server

D-Cinema Support

Not just another E-Cinema server, NCSD-1000 fully supports DCI JPEG2000 playback.

Color Space Configuration

NCSD-1000 D-Cinema output can be configured to match your projector support for XYZ, Rec. 709, DCI-P3 or even BT.2020.

AnyDCP You Want

Play virtually any media file on NCSD-1000 by packaging them into our AnyDCP packages. Yes, HEVC x265 format is supported.

Mixed Playlists

Build playlists from any ingested packages. It can include different Interop and SMPTE formats and different frame rates.

Lightning Fast Startup

NCSD-1000 is much faster than its competitors. You can play the movie 25 seconds after the server is turned on.

CineCast Ready

Ingest from our fast dedicated cloud, branded as CineCast and never worry about DCPs.

Automatic Updates

Get the latest features and security patches for your server and stay up to date.

Parallel Tasks

Get the latest features and security patches for your server and stay up to date.

FEATURES

- The fifth generation and flagship of NIKRAD Digital Cinema Servers.
- Projectionist can request projector identification via Email, Phone, SMS, WhatsApp, Telegram and etc and setup new projectors in under a minute.
- Ingest unlimited DCPs and KDMs and Build shows while playing the movie on screen. This is a one click automatic and hassle-free procedure.
- All server features available and working while playing movies.
- The projectionist will be notified about expiration date of KDMs (five days in advance, on server startup).
- DVI-D/HDMI outputs with HDCP link encryption and VGA output for UI monitor.
- 8 channels analog audio output and S/PDIF optical digital output.
- Conforms to the MXF Interop and SMPTE Specification.
- Utilizes E-Cinema and D-Cinema specified MXF containers with 128-bit AES encryption for media.
- Utilizes proprietary AnyDCP NXF containers.
- 2048-bit RSA encryption for keys (Interop and SMPTE).

NCSD -1000

SPECIFICATION

Operating system	Microsoft Windows 10
Digital Image Output	DVI & HDMI with HDCP Encryption and trusted device list
Control Panel	Monitor via VGA with Keyboard and Mouse
Analog Audio Output Digital Audio Output	25-pin D-sub Connector for 8-channel Analog Audio Output S/PDIF optical digital output
Image Compression	MPEG-2: 4:2:2 & 4:2:0 up to 80 Mbps JPEG2000: 4:2:2 & 4:2:0 up to 250 Mbps
Image Resolution	MPEG-2: Variable from SD PAL/NTSC to HD 1080i and 1080P JPEG2000: Processing up to 4K and up to 2K output AnyDCP: Up to 4K
Frame Rates	MPEG-2: 23.97, 24, 25, 29.97, 30, 50, 59.94 & 60 fps JPEG2000: 24 & 25 fps AnyDCP: 23.97, 24, 25, 29.97, 30, 50, 59.94 & 60 fps
Output Color Space	MPEG-2: Rec.709 JPEG2000: Configurable XYZ, Rec.709, DCI-P3 and BT.202
Audio Compression	Linear PCM Audio
Audio Sampling	48 KHz and 96 KHz, 16 and 24-bit
File Formats	MXF packaging for media files and xml packaging for compositions AnyDCP NXF packaging for virtually any media file, including but not limited mkv, mp4 (h264 and HEVC) and ProRes
Subtitles	CineCanvas XML Interop file format AnyDCP: Integrated media subtitles
I/O Ports	Gigabit Ethernet Port, RJ-45 x 1 RS-232 Serial Port, 9-pin D-sub x 1 USB 3.0 Ports x 5, USB 2.0 Ports x 2
Storage	3 TB Enterprise SSD for media storage and 120 GB SSD for operating system*
Security	128-bit AES Encrypted Content Start/End Date control by 2048-bit RSA Encrypted Keys
Projectionist Interface	LCD monitor with keyboard and mouse
Management Interface	Multi-function Windows-based Interface with Playback Control, Shows Builder, DCPs and KDMs Management, Ingest Status, System Setup-Maintenance and Log Viewerr
Power Supply	100-240V AC 50/60Hz, 600W power supply
Operating Temperature	5 to 50 degrees C
Operating Humidity	10% to 90% non-condensing
Size	43 cm (W) x 17.8 cm (H) x 55 cm (D) 4U Rack Mountable Unit
Weight	18 Kg

* Storage size can be increased based on customer preference.
** Technical specifications mentioned here are subject to change without prior notice due to continuous product development.

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