NIKRAD
DIGITAL CINEMA

*The **NIKRAD NCSE-800+ Digital Cinema Server** is aimed at the non-DCI E-Cinema and Pre-show markets.*

NCSE-800 **Plus**
Digital Cinema Server

The NCSE-800+ cinema server provides superior reliability, image quality and unmatched feature set which reflects NIKRAD's 10 years of digital cinema server design and manufacturing experience. The NCSE-800+ supports MPEG-2 files. It offers the highest level of security possible in an E-Cinema server with HDCP link encryption, trusted device list for display devices, 128-bit AES encryption for content and 2048-bit RSA encryption for keys.

Lightning Fast Startup

NCSE-800+ 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

Controlling everything in NCSE-800+ is parallel. Download, ingest, manage and play the movies at the same time.

FEATURES

- The fourth generation of NIKRAD Digital Cinema Servers.
- Windows application UI which allows Playback Control, Shows Builder, DCPs and KDMs Management, Ingest Status, System Setup Maintenance and Log Viewer.
- 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).
- Play the movie within 25 seconds after the server is turned on.

- 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.
- Automation support through Serial, IP and optional GPIO (optional).
- Conforms to the MXF Interop Specification.
- Utilizes E-Cinema specified MXF containers with 128-bit AES encryption for media.
- 2048-bit RSA encryption for keys.
- 4 TB hard disk for media storage and 120 GB SSD for operating system.
- Multi language support.
- And many other features. Contact us for more information!

NIKRAD NCSE-800 Plus

Digital Cinema Server

SPECIFICATION

Digital Image Output	DVI & HDMI with HDCP Encryption and trusted device list
Control Panel	Monitor via VGA with Keyboard and Mouse
Analog Audio Output	25-pin D-sub Connector for 8-channel Analog Audio Output
Digital Audio Output	S/PDIF optical digital output
Image Compression	MPEG-2 4:2:2 & 4:2:0 up to 80 Mbps
Image Resolution	Variable from SD PAL/NTSC to HD 1080i and 1080P
Frame Rates	23.97, 24, 25, 29.97, 30, 50, 59.94 & 60 fps
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
Subtitling	Internally rendered multi-lingual subtitling in the TI CineCanvas™ format
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	4 TB 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
Management Interface	Multi-function Windows-based Interface with Playback Control, Shows Builder, DCPs and KDMs Management, Ingest Status, System Setup-Maintenance and Log Viewer
Operating system	Microsoft Windows 10
Power Supply	100-240V AC 50/60Hz, 430W power supply
Operating Temperature	5 to 50 degrees C
Operating Humidity	10% to 90% non-condensing
Size	43 cm (W) x 88 cm (H) x 535 cm (D) 2U Rack Mountable Unit
Weight	15 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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