CD2

INGEST SOFTWARE

SUBSCRIPTION

NDI-SRT-IP 2110
3G/12G SDI

Create a right-sized PC
ingest solution that
gives you flexibility,
features and
performance

>>>

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CD2 Software
SUBSCRIPTION

Giving you more flexibility

CD2 Ingest software is a windows based ingest application that provides all the features and benefits of Cinedeck hardware platforms, but as a software only product. Edit while capture, playlist-playout and ingest scheduling are some of the available features.

SUPPORTED INPUTS

	Model	3G	6G / 12G
Blackmagicdesign	Decklink Quad & Decklink 8K Pro	✓	✓
AJA VIDEO SYSTEMS	Kona Corvid 12G, Corvid 8/8	✓	✓
bluefish444 THE PROFESSIONALS' CHOICE	Kronos, Neutron Supernova	✓	
matrox	12g-elp-h-4c		✓
NDI 5	does not require video io	N/A	N/A
SRT SECURE RELIABLE TRANSPORT	does not require video io	N/A	N/A

MINIMUM HARDWARE SPECIFICATIONS

Cinedeck Server	• Gen 9 or later i7 or i9 CPU with Quicksync Video • Gen 9 or later i7/i9 CPU without Quicksync Video and Nvidia GPU • Xeon CPU with Nvidia GPU
Client for PC	• Windows 10 Professional, Enterprise or Windows Server 2019
Client for Mac	• Mac OSX 10.15 Catalina or newer

All record capabilities including channel count, framerate and resolution are dependent on hardware configuration and network bandwidth for SRT and NDI.

VIDEO FORMATS

UHDp 23.98, 25, 29.97, 50, 59.94, 60
1080i 25, 29.97, 30
1080PsF 23.98, 24, 25*, 29.97*
1080p 23.98, 24, 25, 29.97
720p 23.98*, 25*, 29.97*, 50, 59.94, 60

CODEC SUPPORT

ProRes, DNxHR, XDCAM, AVC, XAVC, JPEG2000, H.264, H.265

MOV, MXF Op1A, MXF OpAtom, MP4

VIDEO INPUT

3G / 12G SDI, NDI v 5,
SRT as caller/receiver
Optional IP-2110

RESOLUTION SUPPORT

4K, UHD
HD [1080i, 1080P/PSF, 720P]
SD [NTSC & PAL – I & P]

USER INTERFACE

PC and Mac application that runs independently of Cinedeck hardware.

02.

CD2 Software
Multicam

INGEST

3G/12G SDI, NDI, SRT, IP-2110

CD2

Video Format and Wrapper

ProRes, DNxHR, XDCAM, AVC, XAVC, JPEG2000, H.264, H.265

MOV-Op1A-OpAtom-MP4

Audio Formats

Up to 16ch of audio support for SDI and Dante Virtual Sound Card.

Dante Soundcard for 64 channels of audio

Workflow Tools

- Drag /Drop into NLEs for immediate edit
- Segmented files for asap edit, stream, playout
- Edit While Capture for Adobe Premiere and Avid MC

Per Channel

Hi-Res

Proxy

+

- Matching Timecode
- Synced Audio
- Metadata and custom XMLs

(independent write)

(independent write)

On Prem or Cloud Storage

Edit

CONTROL + REVIEW

Operator   Producer   Editor   Logger   Stakeholder
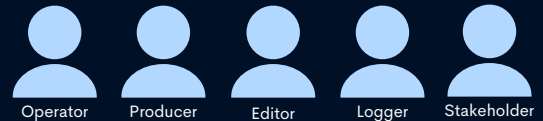
Run multiple, simultaneous instances of the Cinedeck Client both on premise and through VNC with varying degrees of access to control Cinedeck Ingest channels

04.

FEATURES

GANGED RECORD

Frame accurate record for one or more groups of channels on the same server, or across multiple servers.

HI-RES / PROXY RECORD

Record a hi-res and proxy file per channel, then route each file type to a separate storage volume.

For instance, have all your 4K encodes write to a one storage space, and the matching proxies write to another volume.

SEGMENT RECORD

During recording, each time the user specified duration is reached or the manual 'break' button is pressed, the current file is closed and the next segment file begins. Previous segments can be fully-accessed for playing and copying, etc.

VDCP, RS422, RESTFUL API

Supported modes of control include VDCP over IP, AMP, RS422, RS232 and a REST API.

For RS422, all Cinedeck works as both controller and controlled device.

EDIT WHILE CAPTURE

For Premiere:
XDCAM Op1A & ProRes MOV
For Avid: XDCAM, DNxHD/HR and XAVC-HD with or without Media Central

SCHEDULED RECORD

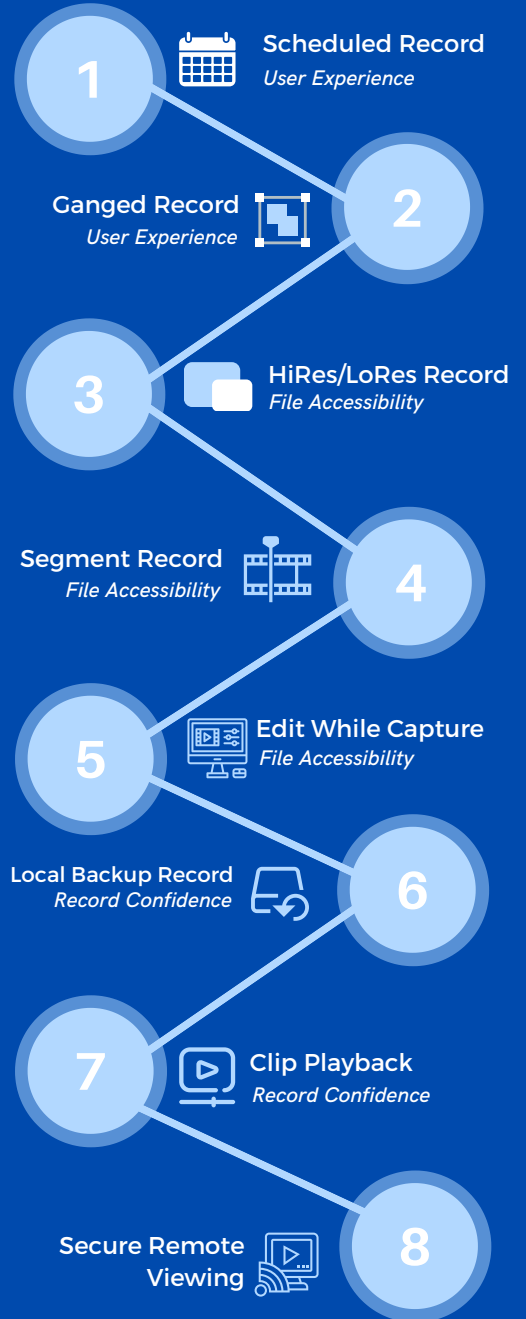Schedule a single or groups of channels for one time or repeated records.

Parameters for record can be set on a per schedule basis. E.g. customize the schedule with presets.

LOCAL BACKUP RECORD

Record a redundant file to a local internal SSD independent of network health.
Example: Primary 4K + Proxy to shared storage and Redundant 4K to SSD

COMBINE FEATURES TO CREATE A WORKFLOW

1 Scheduled Record
User Experience

2

Ganged Record
User Experience

3

HiRes/LoRes Record
File Accessibility

Segment Record
File Accessibility

4

Edit While Capture
File Accessibility

5

Local Backup Record
Record Confidence

6

7

Clip Playback
Record Confidence

Secure Remote Viewing

8

Per channel HTTPS live stream with timecode and status state with no impact to recording.
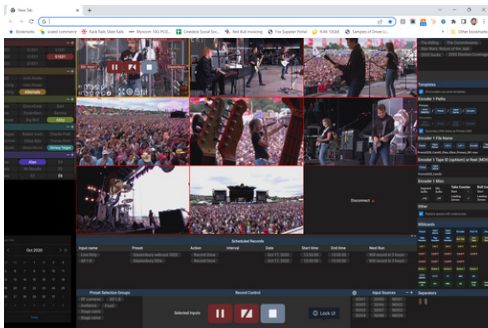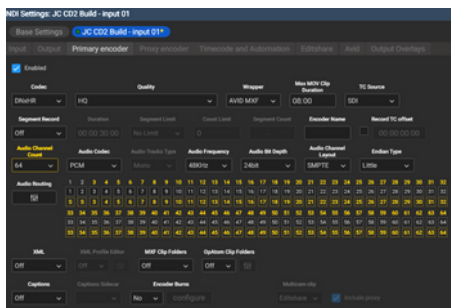
cinedeck

PLAYLIST MANAGER

- Create playlist of Captured / External Media
- Re-Order clips on the fly
- Playout SDI, SRT, NDI

CHROME BROWSER SUPPORT

- Control on or more Cinedeck from a Chrome browser
- Infosec friendly deployment

DANTE AUDIO SUPPORT

- 64 channels of Dante Audio Support
- For example, moving e.g. language pairs to another channel pair

MORE FEATURES

USER INTERFACE

- Up to 16 UI layouts to choose from
- Customizable views and presets
- Customizable overalys
- Varying access levels including Super Admin, Admin, User and Viewer
- Drag and drop elements to keep mouse clicks to a minimum
- Control multiple servers and cloud instances with one UI

INTEROPERABILITY AND MACHINE CONTROL

- Fully documented, publicly available REST API View Here
- VDCP (Ross Carbonite, Grass Valley)
- RS422

4K ENCODE CAPABILITIES

6G/12G SDI	59.94fps true 60p also supported	29.97fps	23.98fps
ProRes (HQ, Normal& LT)	2in/2out	4in/4out	4in/4out
DNxHR (SB & LB)	2in/2out	4in/4out	4in/4out
XAVC (HW encode option)	4in	4in	4in
H.264 (HW encode option)	4in	4in	4in
H.265 (HW encode option)	4in	4in	4in