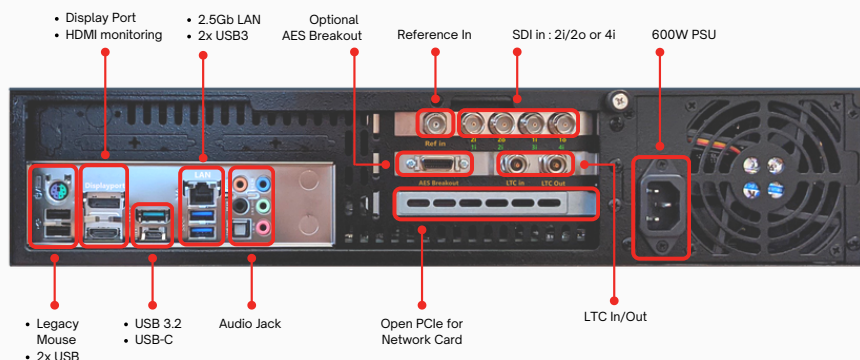# RX²

2-CH / 2U
INGEST SERVER

Cinedeck's RX2 redesign features a rack mountable, slim 2U chassis that can record 2i/2o or 4in mode. Cinedeck's UI, Client 2.0 provides even greater flexibility for your production and can run independently as a controller, scheduler or multiviewer on any Mac or PC device, controlling one or more Cinedeck appliances.

Review Channel Count by Framerate and Codec ↗

Back Panel

- Display Port
- HDMI monitoring
- 2.5Gb LAN
- 2x USB3
- Optional AES Breakout
- Reference In
- SDI in : 2i/2o or 4i
- 600W PSU

- Legacy Mouse
- 2x USB
- USB 3.2
- USB-C
- Audio Jack
- Open PCIe for Network Card
- LTC In/Out

Features

- Full - featured RESTful API
- Edit While Capture
- Audio Mapping
- Avid Media Central support
- Character Overlay
- Closed Captions Support

- Playout while Record
- Scheduling with conflict checking
- Segment Record
- Flexible Storage Option
- Hi-res / Proxy Recording
- Redundant Recording

Hardware Specifications

10th Generation i-9
10 core CPU
Onboard GPU

Video Formats

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, XDCAM, DNxHD, AVC-I, DVCPRO HD, H.264, IMX(D10)

Video Input

3G HDSDI, NDI, SRT

Resolution Support

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

User Interface

PC and Mac application that runs independently of Cinedeck hardware.

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

LOCAL BACKUP RECORD

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

SCHEDULED RECORD

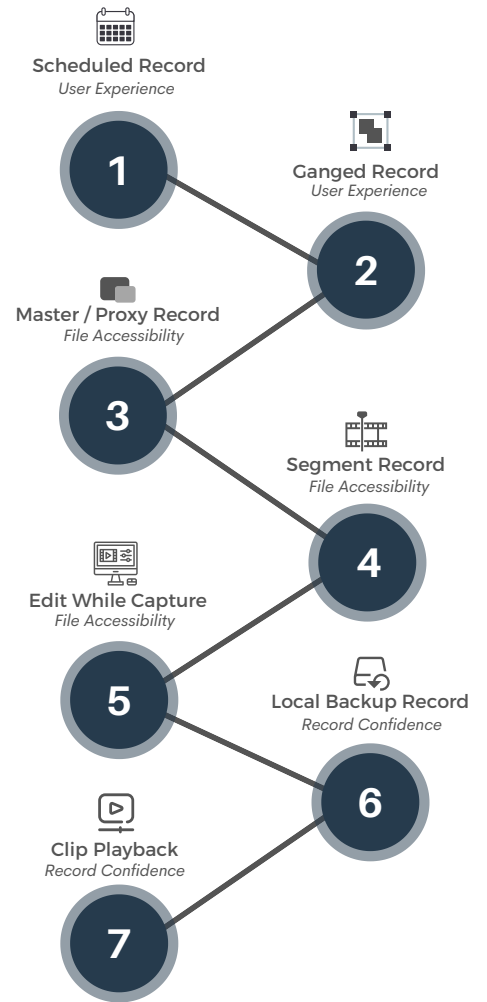Schedule a single or groups of channels for one time or repeated records.

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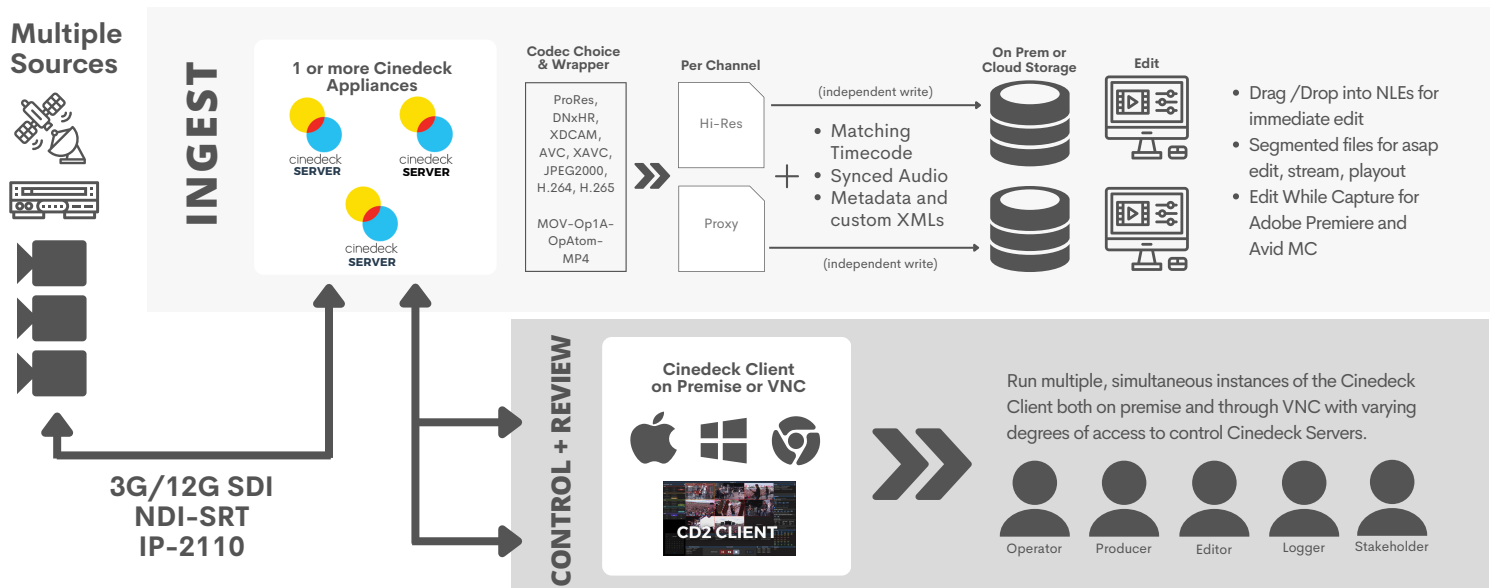
PLAYLISTING AND PLAYBACK

Playback for one or more channels (ganged playback) is available. When a channel recording is stops, play controls become available for playback control.

A simple playlist feature is available on the classic user interface where you can select clips, mark in/out and order the list of clips for playback.

COMBINE FEATURES TO CREATE A WORKFLOW

1 Scheduled Record
User Experience

2 Ganged Record
User Experience

3 Master / Proxy Record
File Accessibility

4 Segment Record
File Accessibility

5 Edit While Capture
File Accessibility

6 Local Backup Record
Record Confidence

7 Clip Playback
Record Confidence

Cinedeck Multi-Source / Multicam Workflow

Multiple Sources

INGEST

1 or more Cinedeck Appliances

cinedeck **SERVER**
cinedeck **SERVER**
cinedeck **SERVER**

Codec Choice & Wrapper

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

MOV-Op1A-OpAtom-MP4

Per Channel

Hi-Res

Proxy

(independent write)

• Matching Timecode
• Synced Audio
• Metadata and custom XMLs

(independent write)

On Prem or Cloud Storage

Edit

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

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

CONTROL + REVIEW

Cinedeck Client on Premise or VNC

CD2 CLIENT

Run multiple, simultaneous instances of the Cinedeck Client both on premise and through VNC with varying degrees of access to control Cinedeck Servers.

Operator   Producer   Editor   Logger   Stakeholder
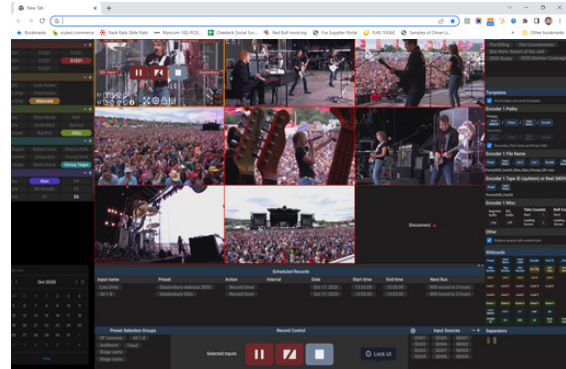
www.cinedeck.com

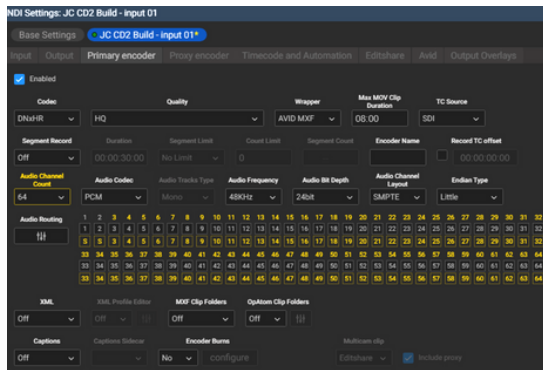# MORE FEATURES

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

MIGRATION TO CLOUD

- Capture2Cloud available on AWS Marketplace
- SRT as caller/listener, NDI, Zixi and RTMP planned

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

ENCODE CAPABILITY AND CHANNEL COUNT

- Review Here