



# ZX 2U 3G - 12G - IP2110

Cinedeck recorders boast exceptional features across versatility, control, and compatibility:

### Versatility & Formats:

Cinedeck recorders are known for their unrivaled speed and versatility, supporting a wide variety of codecs, wrappers, formats, and resolutions. They can handle everything from JPEG2000 archive formats to XAVC, ProRes, and DNxHR 4K Multicam, ensuring coverage for a broad spectrum of media workflows.

### Control & Storage:

Users can manage all settings through the Cinedeck 2.0 Multi-Channel Control app, compatible with both Mac and PC. The recorders offer flexible storage solutions, allowing media to be recorded directly to networked storage or a standard 2.5" SSD.

### Input Compatibility:

All Cinedeck products support SRT and NDI input sources, enhancing their utility and adaptability in various production environments. Depending on the model and options chosen, additional support for 3G/12G and/or IP-2110 inputs is also available, catering to more specific or advanced needs.

### 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/ listener
- rewrap SRT H264 as MOV or MPTS
- 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.



## Builds

Name	Difference
ZX2U Pro	<p>Standard CPU, e.g., up 8 ch HD up to 30p; or 2 ch. of UHD up to 30p (HD: ProRes, DNxHR, XDCAM, AVC; UHD: ProRes and DNxHR)</p> <p>SKUs</p> <ul style="list-style-type: none"> <li>• <b>33100</b> - ZX2U-Pro: 12G version</li> <li>• <b>33200</b> - ZX2U-Pro: 3G version</li> <li>• <b>33300</b> - ZX2U-IP2110: IP2110 version</li> </ul>
ZX2U Max	<p>Upgraded CPU, e.g., up to 8 ch to 60p; or 2 ch. of UHD up to 60p (HD: ProRes, DNxHR, XDCAM, AVC; UHD: ProRes and DNxHR)</p> <p>SKUs</p> <ul style="list-style-type: none"> <li>• <b>33101</b> - ZX2U-Pro: 12G version</li> <li>• <b>33201</b> - ZX2U-Pro: 3G version</li> <li>• <b>33301</b> - ZX2U-IP2110: IP2110 version</li> </ul>

12G SDI



3G SDI



IP2110



## Options

Encode XAVC version 1 (SKU: 19002)	Encode XAVC version 2 (SKU: 19003)	Input: 3G (channel count pending HW config)	Input: 12G (channel count pending HW config)	Input: IP2110 (channel count pending HW config)
<ul style="list-style-type: none"> <li>• up to 59.94p</li> <li>• 2 ch of UHD</li> <li>• 8 ch of HD</li> </ul>	<ul style="list-style-type: none"> <li>• up to 59.94p</li> <li>• 4 ch of UHD</li> <li>• 8 ch of HD</li> </ul>	Any combination of HD up to 8 ch.,	Any combination of HD or UHD up to 4 ch. (4ch UHD only available for XAVC)	25Gb port, 2 xUHD 60p in or out; or 8 ch. HD up to 60p

# 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.

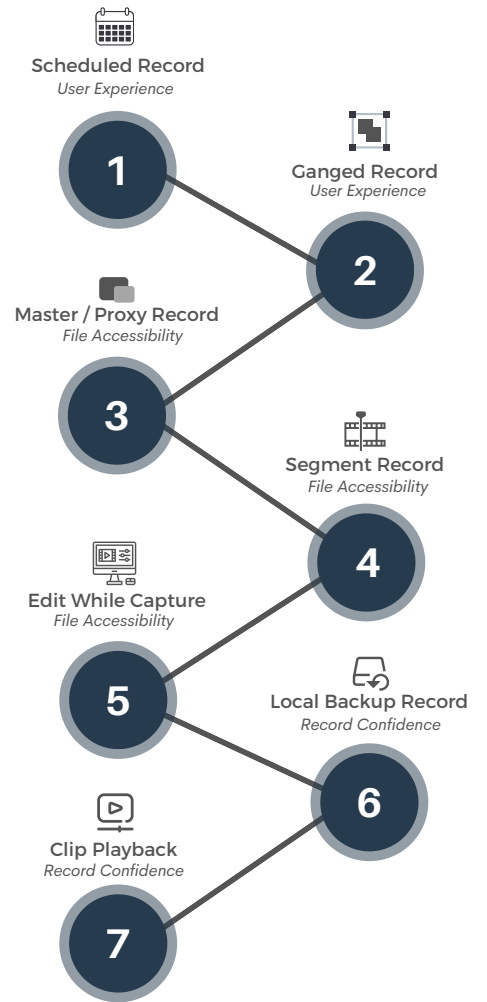
Parameters for record can be set on a per schedule basis. E.g. customize the schedule with presets.

## PLAYLISTING AND PLAYBACK

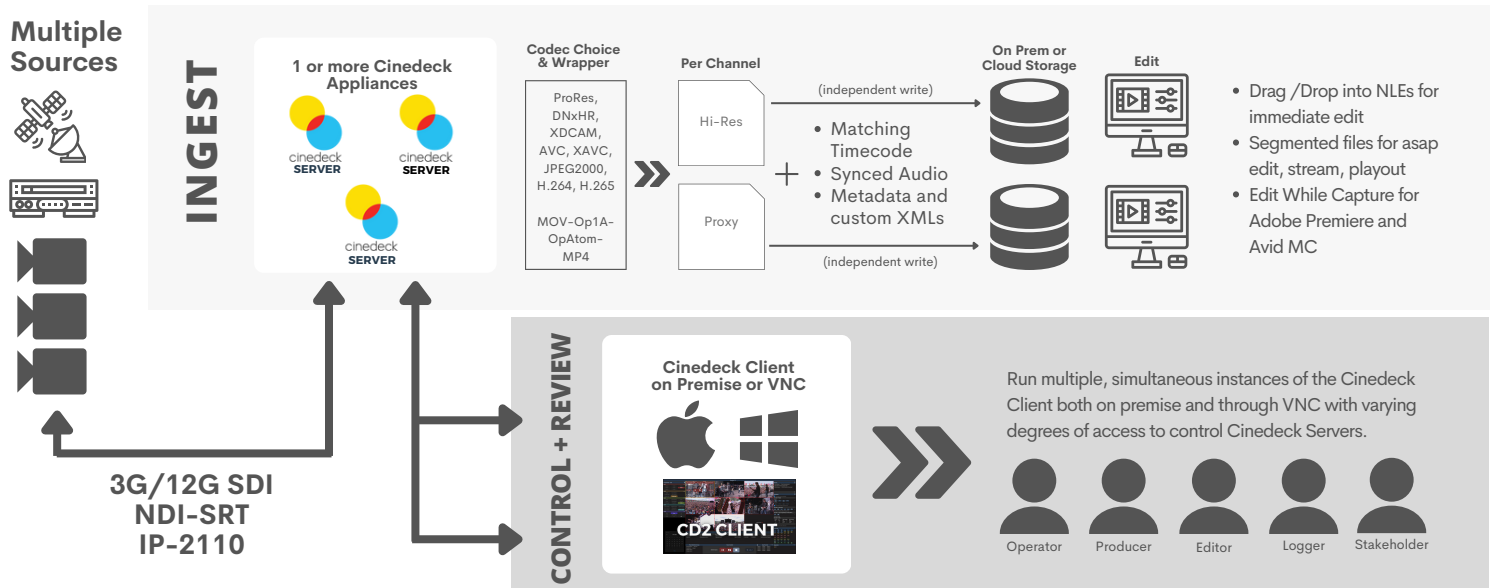
Playback for one or more channels (ganged playback) is available. When a channel recording is stops, play controls become available for playback control.

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.

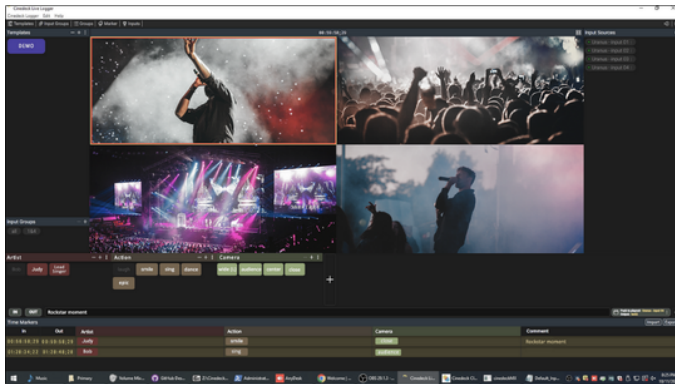
## COMBINE FEATURES TO CREATE A WORKFLOW



# Cinedeck Multi-Source / Multicam Workflow



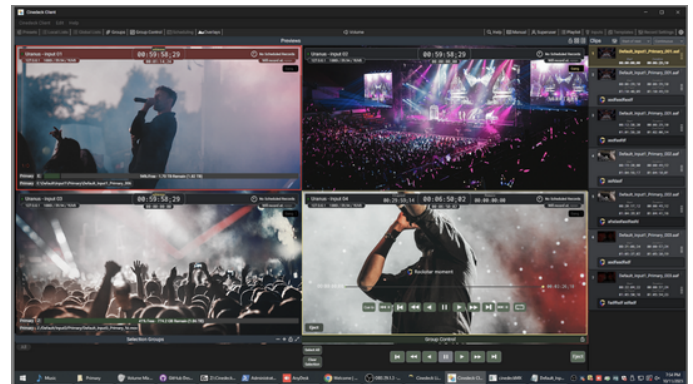
## Live Logging



Live logging with Cinedeck servers supercharges production workflows. It facilitates real-time metadata tagging, streamlining post-production tasks. Instant access to crucial moments boosts efficiency. Annotations provide key context. Live logging with Cinedeck delivers high-quality content faster, redefining competitiveness in the media industry.

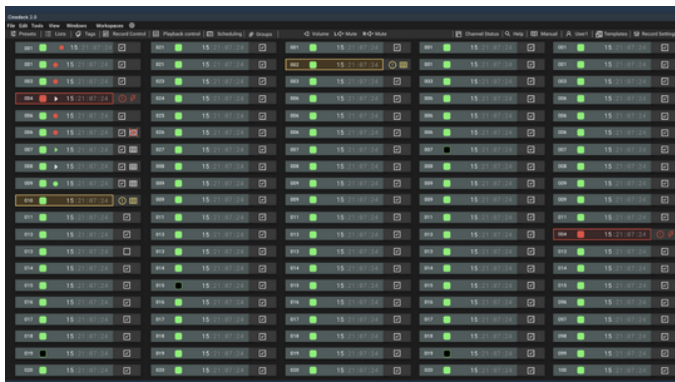
XML for live logging supported for Adobe Premiere, Avid Media Composer, Davinci Resolve, Final Cut Pro X and MAMs.

## Live Replay



Live Replay by Cinedeck enhances real-time, remote workflows, allowing recording, logging, and reviewing from different locations. Its intuitive UI facilitates quick setting adjustments, clip reviews, and highlight reel creation. Users enjoy immediate playback and real-time control features like scrubbing, adaptable to growing clips. Compatible with PCs, Macs, and browsers, it's suited for both cloud and on-premises operations, streamlining production processes across varied professional settings.

## Capture Grid



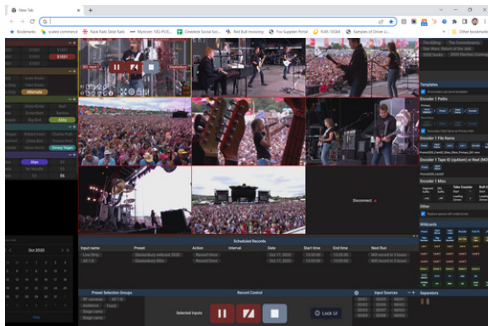
Experience seamless control with our Broadcast Control App, designed for complex, high-scale multichannel productions. Control and monitor up to 100 channels through a single interface, selecting and recording groups effortlessly. This tool ensures perfect frame-sync across all channels, enhancing your broadcast flexibility and maintaining impeccable synchronization in a dynamic, user-friendly package. Scale your production capabilities efficiently with Cinedeck





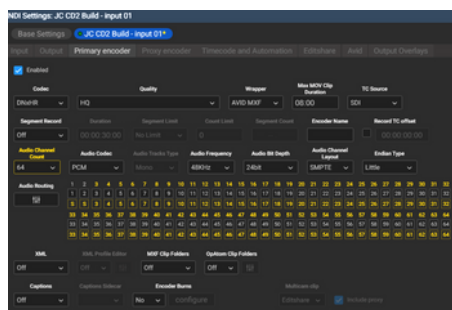
## PLAYLIST MANAGER

- 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

## 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

## MIGRATION TO CLOUD

- Capture2Cloud available on [AWS Marketplace](#)
- SRT as caller/listener, NDI, Zixi and RTMP planned

## 4K ENCODE CAPABILITIES

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

# CUSTOMER WINS



**64CH INGEST ACROSS  
FOUR STUDIOS**

**THE WALL STREET JOURNAL**



**16CH INGEST &  
PLAYBACK**

**love island**



**20CH UHD INGEST  
(XAVC)**

**Red Bull**



**ON DEMAND SRT CLOUD  
INGEST WITH CAPTURE2CLOUD**

**BATTLEBOTS**



**28CH OF INGEST,  
MULTICAM REALITY**

**ARUP**



**IP2110 INGEST,  
PRORES UHD**

**Legendary S3**

**HBO**



**UHD XAVC AVID**

Shot over the course of 8 weeks in Los Angeles, Legendary Season 3 was recorded across 7x ZX85s for 14 channels of XAVC 300 UHD at 23.98fps in Avid native formats.

**Amazon  
Meetings + Events**



**Easy UI Multicam**

Amazon Meeting and Events wanted an InfoSec approved ingest appliance with an intuitive User Interface that could be preset for non-technical users.

**SES**

**HAWLEY, USA**



**Codec Flexibility**

Being able to record multiple codec types and mix framerates across one device was important to SES as they meet their customer's needs for file delivery.

**Lockheed  
Martin**



**12G 60p IRIG Timecode**

As with many military and research applications that use Cinedeck, it was important for Lockheed Martin that Cinedeck supports IRIG Timecode and true 60p capture.