

cinedeck **RX**



Avid DNxHD

cineFORM

ProRes

UNCOMPRESSED 422

UNCOMPRESSED 444

AVC INTRA

XDCAM

DPX

DVCPRoHD

Meridien JFIF

H.264

CINEDECK RX

The world's most versatile, multi-format, multi-channel, rack-mountable HDSDI recorder—specifically designed for outside broadcast and mobile production environments.

RECORD:

Capture natively in all leading formats: Records all Apple ProRes formats including 4444, all Avid DNxHD and Meridien JFIF formats, CineForm Digital Intermediate, and uncompressed 444 (10-bit) or 422(8 or 10-bit). Harness the unparalleled flexibility of the widest range of ready-to-edit formats available on a single device, saving time and money by eliminating the transcoding and ingesting steps of post-production. Also record AVC-Intra, XDCAM HD, XDCAM EX, H.264, or DPX formats. There is no other system that is as flexible.

MONITOR:

Monitor video in realtime with the high-resolution 7" display while using an array of onscreen image analysis tools such as edge focus, clipping, waveform, vectorscope and histogram to seize perfect control of your recording. Monitor audio via the headphone jack and toggle between audio inputs while simultaneously viewing the on-screen recording level display. Intuitive touchscreen user interface eliminates confusion and ramp up time.

PLAYBACK:

Review your shots instantly in any order via VTR-style controls on the high quality screen or realtime on an external monitor. Utilize image analysis tools on playback to ensure quality control.

DESIGNED TO SAVE TIME AND MONEY

Cinedeck RX offers unsurpassed codec choice, flexible connectivity, and incredible production versatility presented in a simple and elegant user interface. Two configurations meet the different needs of the broadcast and digital cinema markets.

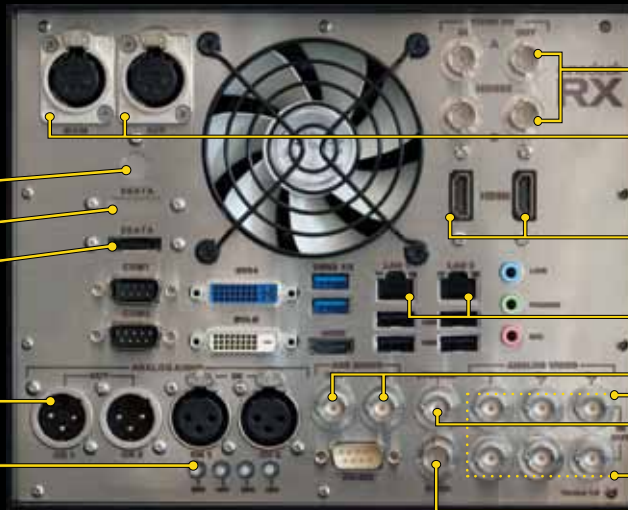
- **It's indispensable.** It's a network accessible recording deck and preview/playback monitor in a compact 4RU half-rack package. It does realtime up/down/cross conversion. It even captures stereoscopic 3D via HDSDI or HDMI.
- **It's mobile.** It's designed for the mobile production environment, where space is at a premium and things like cooling and power draw are of utmost importance. The rugged milled aluminum case is built for the road. Multicam mode doubles the productivity in the same half-rack footprint.
- **It's massively compatible and fast.** Footage is immediately ready for editing in Apple Final Cut Pro, Avid Media Composer, Adobe Premiere Pro, Sony Vegas, and GV Edius. Time consuming and costly ingest and transcoding have been eliminated.
- **It connects.** The choice of video, audio, and IT connections including two 3G HDSDI, HDMI and LAN means it works for any production.
- **It's secure.** Redundant file creation on separate discs and redundant hot swappable power supplies protect your capture.
- **It protects your investments.** It extends camera life by enabling cameras with high quality sensors to bypass their lesser quality onboard tape or media recorders. Also, its architecture is designed to be able to upgrade to new features or codecs.

CINEDECK RX I/O

FRONT PANEL I/O:

- 2.5" Removable SSD Drive (4)
- Configurable 4-pin GPI/O
- USB 2 (1)
- eSATA (1)
- Stereo mini headphone jack

- Ambient Timecode (optional)
- eSATA (optional)
- eSATA (standard)
- Balanced 2 CH Audio I/O
- Per-Channel Line/ Mic & Phantom Power Switches for On-Board Audio Input



- 3G Single or Dual Link HDSDI
- Redundant Power 4pin XLR Connections
- HDMI v1.4 Record In & Monitor Out
- Dual GigE NIC
- AES Audio I/O
- IRIG and LTC Timecode
- Analog Component/ Composite Video I/O
- Bi & Tri-level Sync

REAR PANEL—Cinedeck RX Cine/444 configuration
 (See Cinedeck RX Broadcast configuration at www.cinedeck.com)

CINEDECK RX SPECIFICATIONS

FORM FACTOR

- 7" h x 8.5" w x 9" d (17.8cm x 21.6cm x 22.9 cm); 4 RU half rack, 10lbs (4.5kg)
- Four removable 2.5" SSD disk drives, front accessible
- Redundant wide input DC power: 12-28V (via dual wall adapters)
- Rugged anodized aluminum enclosure for extreme durability
- Less heat, less power, less weight, less size, more capability than other decks

MONITORING

- Simultaneous pass thru of incoming signal for on-set monitoring
- Realtime HD to SD downconvert
- Realtime SD to HD upconvert
- All video outputs available for monitoring / signal pass thru
- Stereo headphone jack for audio monitoring, front accessible

RECORDING

- Records all Apple ProRes formats including 4444, all Avid DNxHD formats (MXF or .MOV), Avid Meridien JFIF, CineForm, uncompressed 444 (10-bit) HD, or uncompressed 4:2:2 (8 or 10-bit) HD (.MOV), AVC-Intra, DVCPRO HD, XDCAM HD, XDCAM EX, H.264, or DPX onto 2.5" SSD disk

DISPLAY

- Large 7" high-res (1024x600) touchscreen display for realtime preview, focus, and review; 800 NITS brightness; Adjustable viewing angle
- Realtime composite and per-channel waveform, vectorscope and histogram for accurate quality control; available in overlay or full screen mode
- On-screen reticule overlays: grids, crosshairs, safe frames, metadata, and letterboxing (opaque mask mode available)
- Intuitive gestural touch-screen interface designed for ease of use... most overlay functions available during record

SUPPORTED CODECS

- Apple ProRes: 4444**, 422 (HQ), 422 (Normal), 422 (LT), 422 (Proxy)
- Avid DNxHD: 175/185/220x, 175/185/220, 115/120/145, 36/45 recording MXF OP-Atom or .MOV
- Avid DNx444**
- Avid Meridien JFIF (MXF OP Atom)

- CineForm: Filmscan1, Filmscan2, Keying, High, Medium, Low
- Uncompressed 444** (10-bit) or 422 (8 or 10-bit)(MXF Op Atom, Cineform, .MOV)
- AVC-Intra class 100/50 (MXF Op Atom)
- XDCAM HD 50 / XDCAM EX 35 (MXF Op-1a, MXF Op Atom, MP4 wrapped)
- DVCPRO HD
- H.264 (AAC Audio and MP4 wrapped)
- DPX

** Cinedeck RX Cine/444 configuration only

SUPPORTED RESOLUTION AND FRAME RATES

- HD
 - 1080 50/60i
 - 1080 23.98/24/25/29.97/30 P/PSF
 - 1080 50/59.94/60 P/PSF
 - 720 P 50/59.95/60
- SD—PAL/NTSC

Note: Stereoscopic support for all resolutions and frames rates up to 10-bit 422 uncompressed; uncompressed 444 records single channel only.

OTHER FEATURES

- Ready to edit content recorded to disk: simply eject an SSD and put it in your editing system for a rapid (eSATA or USB) file copy to Mac or PC
- Network-accessible browse and playback via dual GigE ports
- Front accessible USB and eSATA connections for copying to external storage
- Realtime upconvert/downconvert/crossconvert between more than a dozen resolution/frame rate combinations
- Upgradeable architecture designed for feature or codec expansion
- SDI Link, choice of LTC or IRIG, and internally generated timecode support on ingest with on-screen timecode display and programmable offset/start values
- Master Clock timecode module for jamsync to external clock source (HW option)
- Support for USB 3rd party Jog/Shuttle controller

*Note: Dual channel capture is dependent on camera settings/codec combination. Consult your Cinedeck reseller for more details.