cinedeck EXTREME

Now Working with Uncompressed 4:4:4 HD and 4:2:2 HD and...

ProRes **Avid DNxHD** **CINEFORM**

CINEDECK EXTREME

At the same size and weight as a standard 7" on-camera focus monitor, it is the world's first truly portable, upgradeable cinema-grade on board monitoring, recording, and playback device.

MONITOR:

Monitor video realtime both on and offboard while using the onscreen edge focus, clipping, waveform, scopes and histogram to seize perfect control of your recording. Monitor audio via headphone jack while toggling between audio inputs or listen to a mix of all inputs while simultaneously viewing the on-screen recording level display.

RECORD:

Cinedeck EXTREME captures in leading formats: Records all Apple ProRes formats, including 4444, all Avid DNxHD formats, CineForm Digital Intermediate, and uncompressed 444 or 422 HD (optional). It is truly a portable AND upgradable cinema-grade onboard monitoring, recording, and playback device.
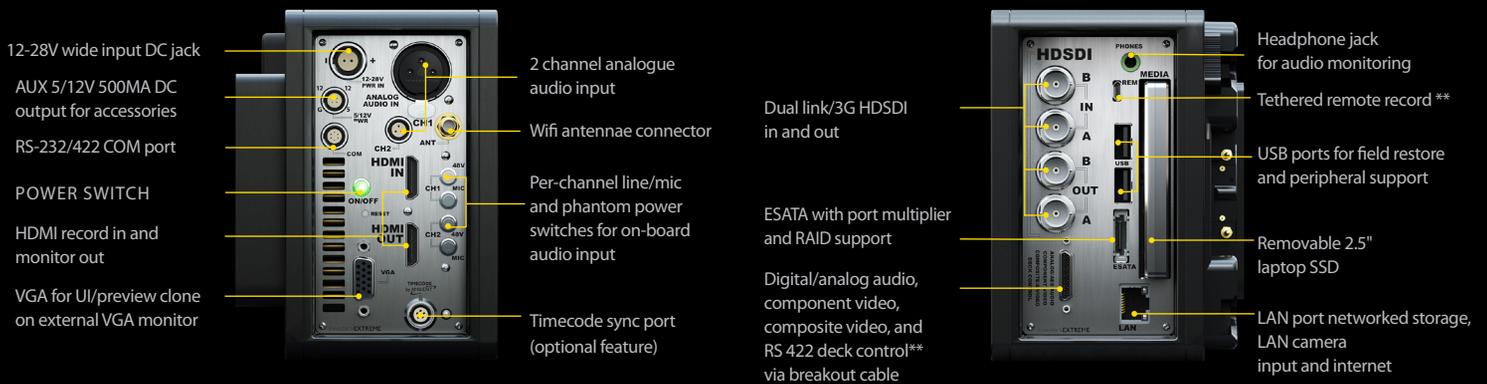
PLAYBACK:

Review your shots instantly via full-featured vtr-style transport controls on-screen.

ANNOTATE:

Edit your metadata directly with on-screen keyboard.

FREEDOM TO CAPTURE

· Cinedeck EXTREME gives anyone with an HDMI, HD-SDI, and LAN-capable camera access to cinema-grade recording, monitoring, and playout in the field or on set, at a fraction of the price of a comparably featured recording deck and monitor.

· It's a focus monitor, recording deck and preview/playback monitor in one ultra-compact, lightweight package. You can take it literally anywhere you can take a camera.

· It extends the life of legacy cameras with high quality sensors to bypass their lesser quality lossy compression formats (DV, HDV, DVCPRO-HD), extending the life of a wide array of cameras.

· It's massively compatible. Cinedeck EXTREME uses standard removable 2.5" SSD recording media. Your files are immediately ready for editing in Apple Final Cut Pro, Avid Media Composer, and Adobe Premiere Pro. Time consuming ingest and transcoding has been eliminated.

· It's designed with traveling light in mind. Cinedeck EXTREME weighs under 4 pounds and fits into a shoebox.

· It's plug-n-play. Start it up and you are ready to record in less than a minute. Media hotswap in 5 seconds.

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CINEDECK EXTREME I/O

12-28V wide input DC jack

AUX 5/12V 500MA DC output for accessories

RS-232/422 COM port

POWER SWITCH

HDMI record in and monitor out

VGA for UI/preview clone on external VGA monitor

2 channel analogue audio input

Wifi antennae connector

Per-channel line/mic and phantom power switches for on-board audio input

Timecode sync port (optional feature)

Dual link/3G HDSDI in and out

ESATA with port multiplier and RAID support

Digital/analog audio, component video, composite video, and RS 422 deck control** via breakout cable

Headphone jack for audio monitoring

Tethered remote record **

USB ports for field restore and peripheral support

Removable 2.5" laptop SSD

LAN port networked storage, LAN camera input and internet

** Planned

COMMON FEATURES OF CINEDECK EXTREME

SIZE AND FEATURES
· 5×8×3.5" and under 4 pounds.
· Rugged anodized aluminum enclosure and solid state construction for extreme durability.
· With battery power via the built-in battery mount[1], (A/B Gold or V-Mount) or nearly any 12-28V DC power source you are free to take it wherever you can take a camera, whether it is on-set, in a helicopter, off-road on the back of a jeep, or on a steadicam rig.

MONITORING
· Simultaneous pass through of incoming signal for on-set monitoring.
· SD TV and VGA display clone for secondary display with interface.

RECORDING
· Records all Apple ProRes formats, including 4444, all Avid DNxHD formats, and the CineForm Digital Intermediate codec onto standard 2.5" SSD media.
· Records uncompressed 4:4:4 HD or uncompressed 4:2:2 HD media to an SSD RAID - an industry first.

SUPPORTED RESOLUTION AND FRAME RATES
8/10 bit 4:2:2 or 4:4:4 recording via HDMI and single link/dual-link/3G HDSDI

Uncompressed 4:4:4 or 4:2:2 HD recording .mov (optional)

CineForm Uncompressed 4:4:4 or 4:2:2 recording (optional)

HD - 1080 50/60i, 23.98/24/25/29.97/30 P/PSF
HD – 50/59.94/60 P/PSF (CineForm Only)
HD – 720 P 50/59.95/60
SD - PAL/NTSC

SUPPORTED CODECS
Apple ProRes: 4444, 422 HW, 422, 422(LT), 422 (Proxy)
DNxHD: 220x, 220, 145, 36
CineForm: Film Scan 1, Film Scan 2, Keying, High, Medium, Low

DISPLAY
· 7" high-res (1024×600) touchscreen display for realtime preview, focus, and review.
· Realtime composite and per-channel waveform, scope and histogram for accurate exposure; available in fullscreen or overlay display modes
· On-screen graticule overlays: grids, crosshairs, safe frames, metadata, and letterboxing.
· Inuitive interface designed for field recording… all commonly used controls are accessible via physical buttons on the front panel, and most overlay functions available during record.

OTHER FEATURES
· Realtime upconvert/crossconvert/downconvert between more than a dozen resolution/framerate combinations
· User selectable metadata playout over video.
· SDI Link or internally generated timecode support on ingest with on-screen timecode display and programmable offset/start values.
· EXSync timecode module for jamsync to external clock source (HW option).
· Garmin GPS support.
· Long distance remote operation via ethernet or wifi.
· Built-in V-Mount or Anton Bauer Battery mount uses industry standard removable batteries: up to 1.5 hours continuous recording time on a single 1.5 Li-ion battery, up to 5 hours with stacked IDX Endura Elite or equivalent.
· Built-in wide input DC power: 12-28V via wall adapter or industry standard battery.
· 16 $\frac{1}{4}$" and $\frac{3}{8}$" threaded mounting points.

WILL IT WORK WITH MY CAMERA?

Currently Cinedeck EXTREME supports cameras that output via HD-SDI, HDMI, or LAN, including LogC-capable cameras such as the ARRI D-21. Analog support is also available via breakout cable. Cinedeck EXTREME supports most common SD and HD formats.
(Please visit www.cinedeck.com for a list of tested cameras)