

MetaDeck



Media Upload/Download

Professional A/V I/O

Recording & Playback

EDL Editing

Professional Waveform Monitor

MetaDeck

☆ Product Overview

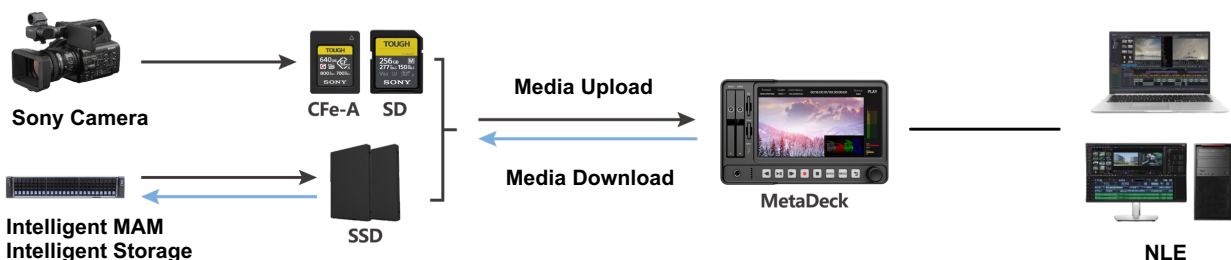
MetaDeck is a portable all-in-one media processing unit that integrates media upload/download, professional A/V I/O expansion, and 4K recording/playback capabilities.

- Media upload/offload via CFexpress Type A (CFe-A), SD, and SSD, enabling high-speed media exchange with NLE systems.
- I/O expansion for NLE ingest and output, with simultaneous HDR/SDR output.
- Dual-channel 4K signal recording and playback.

🏠 Scenarios

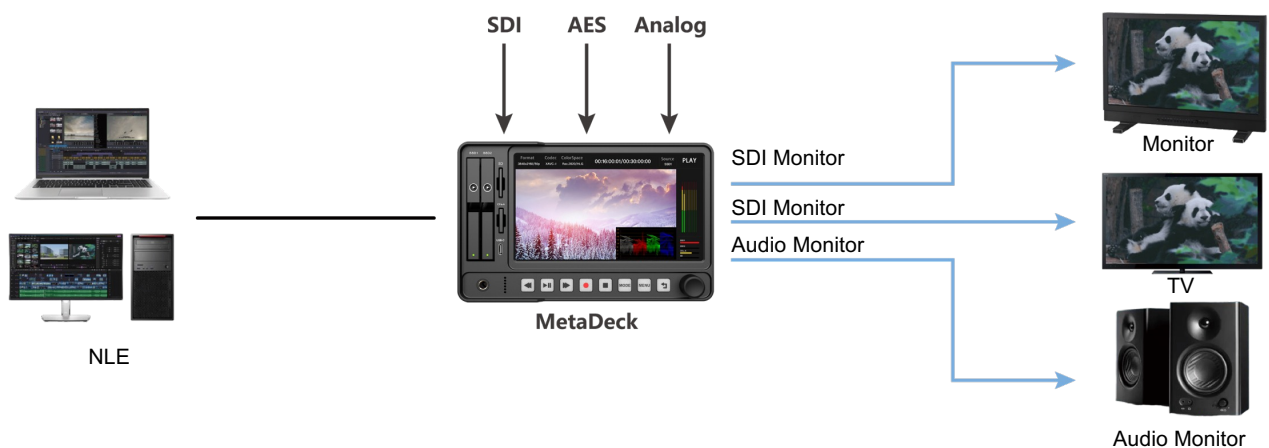
Media Upload/Download

- Designed for NLE media upload/download workflows. Supports high-speed media exchange between removable media storage (CFe-A / SD / SSD) and NLE via USB4. Media files can be imported from removable media to NLE for editing, or NLE footage and finished programs can be directly exported to removable media.
- Supports reading and standardized writing of Sony camera media metadata. After shooting, footage can be losslessly uploaded to NLE for subsequent editing.



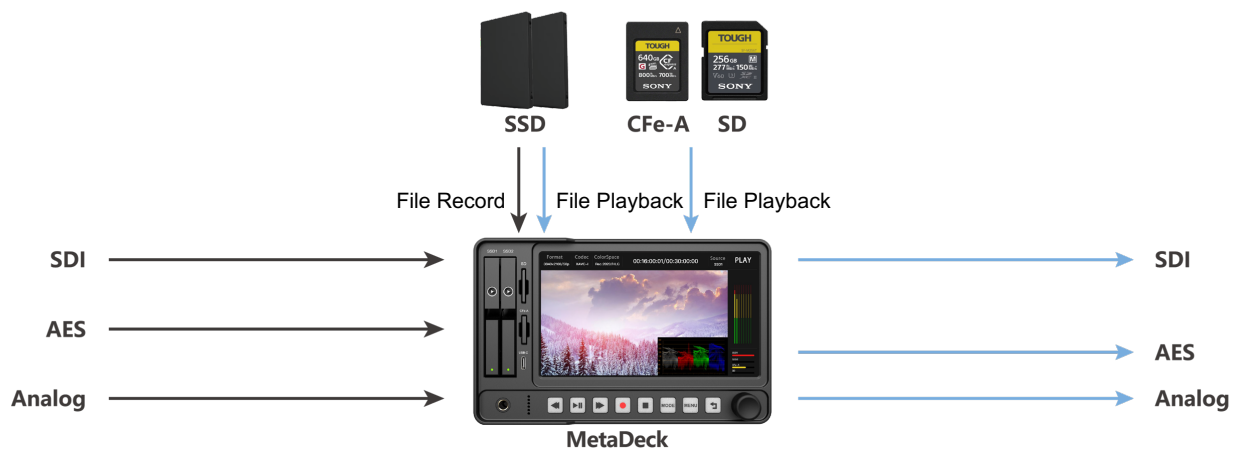
Professional A/V I/O

- Applicable to broadcast-grade professional capture scenarios. It supports ingesting signals from cameras, recorders, and on-site sources into non-linear editing software for production, and supports the capture of various broadcast-grade 4K HDR and HD SDR working formats. Designed for on-set monitoring in post-production. Compatible with most common editing software.
- Applicable to on-site monitoring scenarios in post-production. It is compatible with most mainstream editing software, supports signal up/down conversion, and can output HDR and SDR signals simultaneously. This meets the monitoring needs of UHD program post-production collaboration using broadcast-grade monitors, HDR TVs, and other display devices.
- MetaDeck can be installed in an equipment rack or placed directly on a workstation desk for post-production use, making it suitable for a variety of in-studio and outdoor production scenarios.



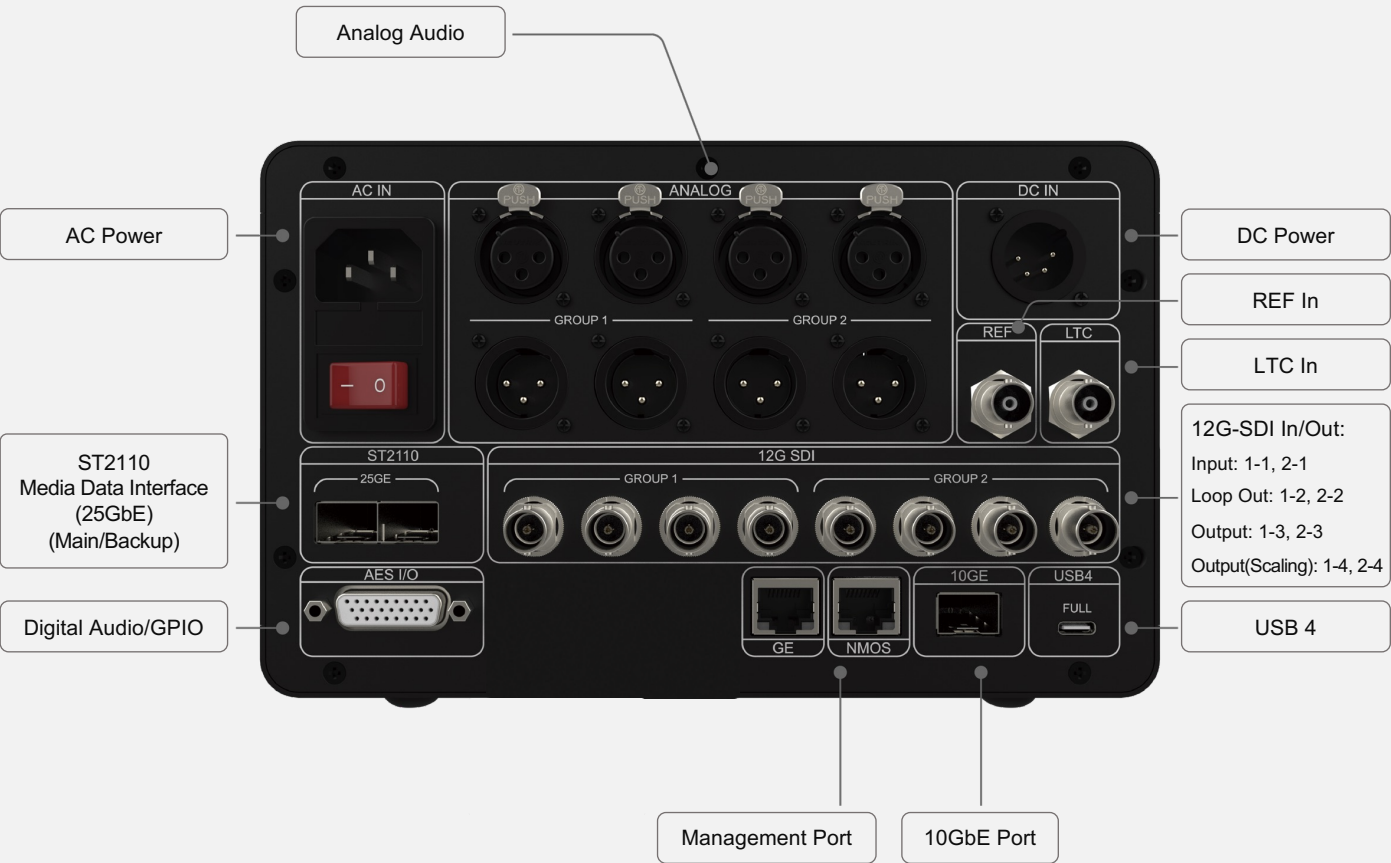
Recording & Playback

- Support dual-channel 4K signal recording and playback, support professional formats such as ProRes and XAVC. Files can be recorded to local hot-swappable SSDs and played back from SSDs and media cards, suitable for scenarios including recording, playout, and highlights replay in studio and OB van environments.
- The recording system adopts open data specifications such as disk information, A/V file metadata, and clip tags. Removable media can be easily exchanged with MRC media asset servers, AS20 storage nodes, and other systems. It also supports seamless integration with production systems via shared storage.
- Support EDL editing mode: mark-in/mark-out editing and playlist creation on MetaDeck. Support importing EDLs from NLE.





Device Interface



MetaDeck

General	
Size (W x H x D, mm)	210 x 131 x 337.5
Power Input	AC:100V-240V, 50/60Hz; DC: 12V
Power Consumption	120W
I/O	
USB 4	USB 4 Port x 1, connects to a computer
SDI Port	12G SDI In x 2, 12G SDI Loop Out x 2, 12G SDI Out x 4
ST2110 (Option)	25G SFP28 x 2
Ethernet	RJ-45 x 1
10 Gigabit Ethernet	SFP+ x 1
Management Port	RJ-45 x 1
Digital Audio Port	DB26 x 1
Analog Audio Port	Analog In x 4, Analog Out x 4, XLR
LTC	LTC In x 1
REF	REF In x 1, Bi-Level or Tri-Level
Media Slots	1 x CFe-A, 1 x SD, 2 x SSD, 1 x USB3.0
Video Standard	
4K	3840 x 2160 50p (ProRes , XAVC Intra)
HD	1920 x 1080 50i (ProRes, XAVC Intra, AVC Intra, H264 MP4 50p)

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Key Features

- Media Upload/Offload. SSD uses exFAT format – read/ write by PC (macOS, Windows, and Linux).
- High-speed media exchange between removable media and NLE via USB4.
- Capture & monitoring Premiere/ Sobey NLE output signals, supporting 4K/HD video standards.
- SDI ingest and digital/ analog audio ingest supported.
- SDI output supported.
- Professional waveform monitor with multiple display modes.
- Up/down conversion (LUT-based) supported; simultaneous HDR/SDR output.
- Concurrently read CFe-A and SD (UHS-II) cards with auto-backup media to SSD (with folder structure).
- Dual-channel 4K/HD recording and playback; configurable as 2 Rec / 2 Play / 1 Rec + 1 Play.
- EDL workflow: create mark-in/mark-out playlists, or import EDLs from Sobey NLE for playback on MetaDeck.
- Hot-swappable SSDs: enable continuous recording with alternating SSD swaps (no dropped frames).
- Import/export media via USB 3.0 (supports devices such as Sony SxS/ P2 readers and NAS).
- Playback from CFe-A, SD, and SSD media.
- 4xCH HD H.264 Recording and SRT Streaming *
- Download/ Upload SSD media files on MetaDeck on the web tool through ethernet.