

CaptureBox



- ▶ **High-quality capturing in variety of compressions**
- ▶ **Automated RS-422 or Firewire VTR control with batch capturing lists**
- ▶ **Scheduled capturing of satellite feeds with automated channel switching**
- ▶ **File splitting based on duration**
- ▶ **VU/peak audio meters are available for precise audio level fine-tuning**
- ▶ **Third-party traffic system capture log import**
- ▶ **Streaming live MPEG2 video through UDP (optional)**
- ▶ **Multi-channel audio capturing (optional)**
- ▶ **HD and HDV capturing (optional)**
- ▶ **SDK available for OEMs**

Blackmagicdesign

DELTA CAST



Universal Ingest: Various ingest applications are made possible by the wide array of inputs provided - composite, component, firewire, SDI, ASI, LAN, HD-SDI.

Cost-effective MPEG2 and H.264 Encoder: Industry-unique unit with video inputs and live stream output. Perfect for many IPTV applications.

VTR Remote Control: RS-422 VTR control by Sony protocol and DV deck control is provided for automated batch capturing off tape. Any RS-422 to RS-232 converter (Addenda, Imagine Products, etc.) or even a proprietary conversion cable can be used for VTR control through the PC com port. Playback and shuttling is quite easy with convenient keyboard shortcuts.

Batch and Schedule Capturing: Unlimited amount of clips from various tapes can be captured in a single session, sorted by tape ID and ascending timecode. Once the capture session is initiated, the only operator assistance needed will be to change tapes when prompted. Content coming from live sources such as satellite feeds can be automatically captured based on a schedule with single, daily or weekly reoccurrence. Optional switcher interface provides automated input channel switching when different channels are being recorded.

Audio VU/Peak Meters: Audio VU/peak levels can be monitored and corrected accordingly. Quite a useful feature for proper audio capturing when converting analogue audio into the digital domain.

Use While Capturing(TDIR): Ingested clips can be used for immediate editing or AirBox playout, before their capturing process is finished. This is particularly useful for sports events or Time Delay/Instant Replay applications.

Multi-channel audio: Professional videodeck audio outputs can all be captured in a single-pass capturing session. Clips then can be edited in any NLE system or played by AirBox for multi-language applications.



CAPTUREBOX SPECIFICATIONS

Video

Compression[†]	MPEG2, DV, HDV, AVC/H.264, WMV/VC-1
Format	MPG; OpenDML AVI; M2T; TS; WMV
Group-Of-Pictures (MPEG)	I-frame only, Short GOP, Long GOP
Bitrate[†]	1-15 Mbit/sec with MPEG2 MP@ML 10-50 Mbit/sec with MPEG2 422P@ML 10 - 100 Mbit/sec with MPEG2 HD 25 Mbit/sec with HDV and DV 1-10 Mbit/sec AVC/H.264 1.3 - 8 Mbit/sec WMV9
Color sampling[†]	4:2:0 - MPEG2 Main Profile (incl.HDV) 4:2:2 - MPEG2 4:2:2 Profile 4:2:0 / 4:1:1 - DV at 25 Mbit/sec

Audio

Compression	MPEG audio Layer2 AAC audio Windows Media Audio Uncompressed PCM
Format[†]	WAV, or multiplexed with video
Bitrate	192 - 384 kbit/sec
Sampling[†]	48 kHz

Additional Requirements

VTR Remote Control	RS-422 to RS-232 converter unit or cable
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Video Hardware

MPEG1/MPEG2/DV/H.264/WMV	Blackmagic Design DeckLink series
MPEG2 / DV / HDV	Generic 1394 firewire interface cards
MPEG2 TS (SD or HD)	Deltacast Delta-ASI series
MPEG2 TS (SD or HD)	Ethernet LAN connection
MPEG2 TS (SD or HD)	TechnoTrend S2-3200
MPEG2 HD	DeckLink HD Extreme

Other Applicable Modules

Streaming	Live MPEG2 UDP streaming of incoming video
PRO Option	Automated input switching and GPI interface
HD Option	High Definition ingest from HD-SDI, ASI or firewire
Multi-track Audio	Multi-channel audio capturing
AirBox	Universal content payout
DataBox	Powerful content database
SafeBox	Automated content replication and removal
AlarmBox	Monitoring and management module

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Rev.: March 2010

[†] feature depends on capture platform