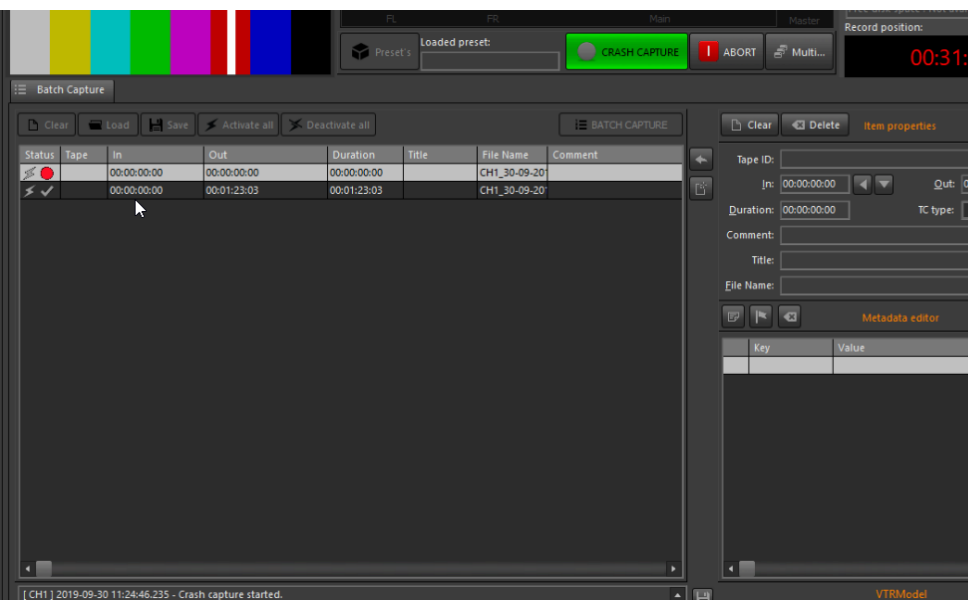# PRODUCT BROCHURE

CaptureBox Mega

Simultaneous Ingest of Multiple Channels

ABOUT CAPTUREBOX MEGA

CaptureBox enables multiple channels of HD or SD content to be captured from HD/SD SDI digital feeds, analogue sources and MPEG transport streams. Four video sources can be monitored on a single screen and controlled via a new streamlined user interface. Audio levels can be monitored as loudness/true-peak displays and adjusted when required.

Content ingested to CaptureBox is available for playback within a few seconds of capture commencing. The CaptureBox feature set also includes capture-list import from third-party traffic systems, support for CEA-608/708 closed-captioning and automated VTR control via RS-422 with batch-capture listing.

CaptureBox

The strenght of stream

FEATURES

- Four independent ingest channels in a single server
- Scheduled capturing of satellite feeds with automated channel switching
- Comprehensive Metadata handling (TCI, MTD creation)
- UHD and 4K capturing
- File splitting based on duration
- Multi-channel audio capturing
- API available for OEMs
- All 4 instances in a single screen
- Add Metadata during ingest (position markers, notes, etc.)
- Loudness/True Peak audio meters are available for precise audio level fine-tuning
- Automated RS-422 VTR control with batch capturing lists
- Third-party traffic system capture list import
- Closed Captioning support under EIA-608/708 standards
- IP RTMP/HLS/RTSP stream sources
- Intel CPU/GPU hardware acceleration for H264/HEVC encoding content
- NVidia GPU hardware acceleration for H264/HEVC encoding content and IP feeds

Universal Ingest: Various ingest applications are made possible by the wide array of inputs provided – composite, component, SD/HD SDI, UDP Transport Stream.

VTR Remote Control: RS-422 VTR control by Sony protocol is provided for automated batch capturing from tape. Tape cue, playback and shuttling is quite easy with convenient keyboard shortcuts.

Batch and Scheduled Capturing: Video clips from various tapes can be captured in a single session, sorted by tape ID and ascending time code. 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 Router control provides automated input channel switching when different channels have to be recorded.

Audio Loudness/True Peak Meters: Audio VU/peak levels can be monitored and corrected accordingly.

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: Up to 16 Channels can be recorded.

SPECIFICATIONS

Video	
Compression Format	MPEG2, MPEG4 AVC/H.264, HEVC/H.265, DV, HDV, DVC Pro, DVCPro 50 PAL NTSC 1080i HD 720p HD 1080p HD 2160p 4K
Bitrate	1-15 Mbit/s in MPEG2 MP@ML; 1-50 Mbit/s in MPEG2 422P@ML; 1-80 Mbit/s in MPEG2 MP@HL; 25 Mbit/s with HDV and DV; up to 80 Mbit/s MPEG2 HD HP@HL; up to 40 Mbit/s AVC/H.264 Baseline/Main; up to 80 Mbit/s AVC/H.264 Main/High; class 50 and 100 AVC-Intra
Color sampling	4:2:0 - MPEG Main Profile (inc. HDV); 4:2:2 - MPEG2 4:2:2 Profile; 4:2:0/ 4:1:1 - DV 25 Mbit/s; 4:2:0 - WMV and AVC; 4:2:2 - Apple ProRes; 4:2:0 - AVC-Intra
Audio	
Compression	MPEG audio Layer 1 or 2; AAC audio; Uncompressed PCM; Windows Media Audio;
Bitrate	64-384 Kbit/sec
Sampling	48 kHz
Media File Containers	
MPEG2	MPG(Program Stream); M2P(Program Stream); M2T (Transport Stream); MXF; TS (Transport Stream) Open DML AVI and WAV (mono and stereo);
DV	OpenDML Type 1 and Type 2 AVI; DV; MXF;
HDV	MPG (Transport Stream); M2T/ TS (Transport Stream); MXF; GXF;
H.256/HEVC	MPG (Transport Stream); M2T/ TS (Transport Stream);
H.264 / AVC / MPEG4 part 10	TS - Transport Stream (SPTS and MPTS);
Supported Video Formats	
DeckLink	DeckLink Duo; DeckLink 4K Extreme; DeckLink 4K Extreme 12G; DeckLink 4K Pro; DeckLink 4K Extreme; DeckLink SDI 4K; DeckLink Studio 4K; Corvid 3G; Corvid 22; Corvid 44; Corvid 88;
AJA Deltacast	Delta-3G-elp-11, Delta-3G-elp-22, DELTA-3G-elp-key 11, DELTA-3G-elp-key 22

CONTACT US

We can help at:

info@playboxtechnology.com
www.playboxtechnology.com

Hatfield, United Kingdom