

Video Binloop™

Professional 16 Track Video Player



For more than a decade our Digital Binloop has been the industry standard for theme park audio reproduction. Now you can enjoy those same benefits with our Video Binloop, a compact, economical, and highly reliable 16 track video player.

The Video Binloop cage accommodates up to 16 reproducer cards. Clips are stored on CompactFlash media, so there are absolutely no moving parts to wear out. Each card can hold hours of video. Simply copy files — thousands of them, if you like — from your PC to the CompactFlash card.

The Video Binloop locks to NTSC or PAL video sync, and reads or generates linear timecode at many different SMPTE and EBU rates.

Control the Video Binloop using contact closures, RS-232, MIDI, and Ethernet (4Q2006) — all simultaneously! Reproducer cards or whole Binloops can be grouped to respond to the same command, allowing a single event to control hundreds of tracks.

Encode your video in MPEG-2 at up to 15Mbps — about twice the bitrate of most DVDs. Composite, YUV and component video outputs are standard, and SDI (SMPTE-259M) digital video is also available. When playing video, each of the sixteen tracks may be multiplexed with stereo or Dolby AC3 audio— that's almost 100 channels of audio!

The Video Binloop is the most advanced multitrack video player in the world, yet it's highly economical. Contact your Alcorn McBride representative today for a demonstration.

The Video Binloop's feature set is nearly identical to that of the Digital Binloop, except for audio playback, as shown below:

	Digital Binloop	Video Binloop
Maximum Audio Resolution	24 bits	16 bits
Maximum Audio Bitrate	96 KHz	48 KHz
Cobranet	option	no

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Applications

- Museums
- Cruise Ships
- Theme Parks
- Visitor Centers
- Retail Stores
- Restaurants
- Casinos

Features

- 16 Video Tracks
- 16x Stereo or AC3
- 1000s of Clips
- Instant Playback
- No Moving Parts
- Timecode Sync
- Video Sync
- MIDI, RS-232
- Contact Control
- Ethernet
- Zero Maintenance

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Specifications

Cage Assembly

Model Number	DBC32
Dimensions	19"W x 5.25"H x 10.25"D (48cm x 13cm x 26cm)
Weight	25lbs (11Kg)
Power	110 or 220 VAC, 50 or 60 Hz, 300W Max.
Certifications	UL Listed, CE Compliant, ROHS, WEEE
Operating Temperature	0°C (32°F) to 38°C (100°F) free air circulation.
Operating Environment	0-90% relative humidity, non-condensing

Controller

Model Number	DBAP2 (DBAP3 available 4Q06)
Linear Timecode Formats	SMPTE or EBU
LTC Rates	23.98, 24, 25, 29.97, 30, and 30 drop
LTC Dropout Tolerance	Infinite
LTC Input	Transformer Isolated, 600 ohm Balanced
LTC Output Level	Selectable 1-10 Vp-p, Balanced or Unbalanced, 10 ohms max
Front Panel Buttons	Start, Pause, Stop SMPTE, Mute
Front Panel Display	2 line VFD
Status Outputs	Ready, Running, and Fault Contact Closures
Serial Control	RS-232C
Control Inputs	LTC Control plus 8 Group Starts
Ethernet Control	100 Base-T (DBAP3)
Video Sync Input	NTSC or PAL Composite Sync

Video Reproducer (up to 16)

Model Number	REPRO16V
Media	CompactFlash, FAT 32 File System
Front Panel Button	Play/Stop
Indicators	Playing, Still/Pause, Muted
Video File Format	MPEG-2, MP@ML Program Stream
Video Bitrate	15 Mbps Max
Analog Video Output	Composite, Component (YUV or RGsB)
Scan Rate	NTSC or PAL (480p or 576p)
Digital Video Output	SDI (SMPTE-259M) (optional)
Audio Encoding for Video	16 bit MPEG Layer 2 or Dolby AC-3 5.1
Audio-Only File Formats	16 bit WAV, AIFF, PCM, 32, 44.1 or 48 KHz, Stereo or Mono
Track Skew	Less than 100ns
Analog Audio Output Level Balanced	+8 volts max. into 150 ohms
Analog Audio Output Level Unbalanced	+4 volts max. into 20K
Output Impedance	DC Coupled, less than 10 ohms
Frequency Response	DC-20,000 Hz +/- 0.5 dB
Signal-to-Noise Ratio	120 dB
THD	0.008%
Digital Audio Output	AES/EBU, S/PDIF (IEC958) or AC3

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