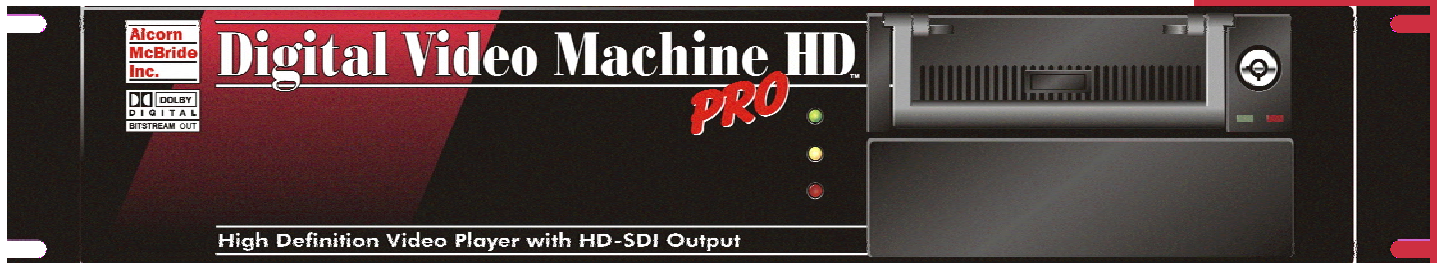


Digital Video Machine HD™

Professional High Definition Video Player



The Alcorn McBride Digital Video Machine HD is a Hi-Def video player that satisfies the most demanding requirements for professional video playback applications. It provides hours of reliable High-Definition video for museums, theme parks, visitor centers and other high-profile installations.

Unlike other dedicated Hi-Def players, the Digital Video Machine HD plays MPEG2 (MP@HL) at extremely high bitrates – over 50Mbps – delivering truly spectacular picture quality. The DVM/HD can also synchronize perfectly to external sources, so multiple units can be frame-locked together for multi-screen or 3D stereoscopic applications. All ATSC video formats are supported, including 1080i30 and 720p60. The DVM/HD also performs perfect 3:2 pulldown of film-originated 24p material.

Control the DVM/HD using serial RS-232 or Ethernet. You can create complex sequences with playlists, or use the real-time scheduler for completely automated operation. A separate dedicated monitor output provides status and diagnostics.

Video output is either RGBHV or YPbPr. The DVM/HD-Pro model also includes SMPTE-292M (HD-SDI) Digital Video output, and provides either Bi-Level or Tri-Level sync on its analog YPbPr output.

You have three choices for audio output: stereo analog, stereo digital S/PDIF, or Dolby Digital bitstream for multi-channel surround applications.

Contact Alcorn McBride today to find out how the DVM/HD can bring reliable High Definition Video to your project!

Digital Video Machine is a trademark of Alcorn McBride Inc.
"Dolby" and the Double D symbol are trademarks of Dolby Laboratories.

Applications

- Museums
- Cruise Ships
- Theme Parks
- Visitor Centers
- Digital Cinemas

Features

- All ATSC Formats
- 1080p24
- RGB and YPbPr
- SMPTE 292M (Pro)
- Stores 4+ Hours
- Playlists
- Schedules
- Dolby Digital 5.1
- Serial RS-232
- Ethernet/Internet

**Alcorn
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Specifications

Video:	RGBHV or YPbPr Output MPEG-2 MP@HL up to 50Mbps, 188 byte and 204 byte formats. Supports standard 8VSB and 16VSB data rates and much more. Decodes all ATSC DTV Formats: 720p, 1080i, etc. Up to 1920x1080i @ 30fps or 1280x720p @ 60fps. Also supports 25fps and 50fps. Supports 1080p24 (23.97) progressive, frame segmented SMPTE-292M Digital Video (HD-SDI) (DVM/HD-Pro only)
Sync:	Bi-level sync on YPbPr (DVM/HD and DVM/HD-Pro) Bi-level sync on RGBHV (DVM/HD only) Tri-level sync on YPbPr (DVM/HD-Pro only)
Audio:	Unbalanced (-10dBV max. into 20K) Less than 10 ohms impedance 16-bit linear quantization 96 dB Digital Dynamic Range 44.1 or 48 KHz Sample Rate 20-20,000 Hz +/- 0.5 dB Frequency Response 120 dB Signal-to-Noise Ratio 0.008% THD Dolby Digital Bitstream or S/PDIF
A/V Connectors:	DVM/HD: YPbPr or RGB Output (HDB-15) DVM/HD-Pro: YPbPr (HDB-15) DVM/HD-Pro: SMPTE-292M HD-SDI (BNC) Composite Sync Input (BNC) Unbalanced Audio Outputs (2xRCA) Digital Audio Output (XLR)
Control:	10/100Base-T Ethernet FTP, UDP, ARP (RJ-45) RS-232 Control (DB-9) Dedicated monitor output provides status and diagnostics
Commands:	Search, Play, Loop, Still, Resume, Stop Search time less than 1 second, typical Play after search less than 33 msec
Power:	100-240 VAC, 50/60 Hz, 250 Watts Max UL Listed Power Supply, CE Compliant
Environment:	0°C (32°F) to 38°C (100°F) 0-90% Relative Humidity
Size and Weight:	19"W x 16"D x 3.5"H, 30lbs.

Specifications Subject to Change Without Notice

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