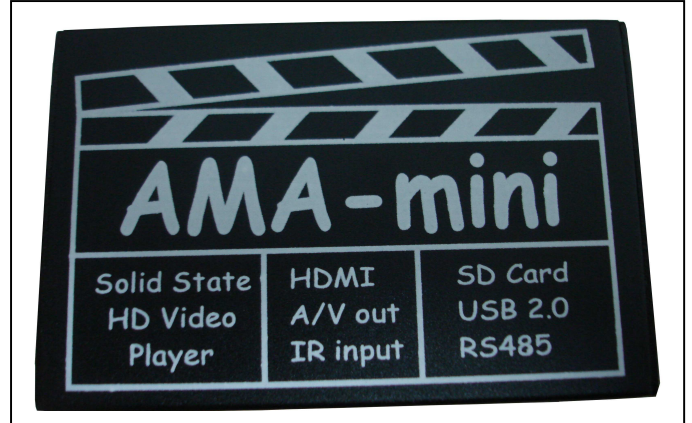# AMA mini
HD Solid State Video Player

Features:

- Compact small size, only 2.5"W X 3.8"L X 0.8"H
- New extremely fast ARM core processor.
- Ideal for large LCD/Plasma TV monitor, multi screen sync presentation and seamless loop application.
- Plays from SD card and USB Flash drive.
- Plays Apple's quicktime-HD h.264 files, Windows HD VC1, Mpeg2 HD, std DVD and Mpeg4 files at up to 40mbps.
- Plays Digital camera and HD camcorder/Flip Video –HD files such as mov, mp4 and avi files.
- HDMI and Composite Video out are all ON simultaneously regardless of the video setting.
- 2 way communication through RS485, control video playback and status feedback from the player. .
- Optional IN6 input board, up to 48 digital input, programmable to play different video files.
- Built in command to seamlessly loop a file.
- Built in SYNC command to sync with other AMA-mini players.

Description:

AMA-mini plays from:

USB port:
Use USB drive, External USB hard drive or any memory card reader using USB2.0 interface.

SD card socket:
Use SD card up to 128GB.

AMA-mini plays the following video format:

Apple's quicktime (xxx.mov) at up to 35 mbps:
The player supports quicktime xxx.mov and xxx.qt files that have been encoded using h.264 and standard Mpeg4.
The video size is up to 1080p (1920X1080) and **average bit rate is 35mbps** with peaks at up to 50mbps.

Mpeg2 HD (xxx.ts, xxx.m2ts) at up to 40 mbps:
The player supports Mpeg2-HD xxx.ts and xxx.m2ts files (main profile@high level). The video size is up to 1080p (1920X1080) and **bit rate is 40mbps.** The player supports both CBR and VBR encoding.

Windows media HD (xxx.avi,xxx.wmv) at up to 35 mbps:
The player supports windows media HD VC-1 files xxx.avi (AP@L3). The video size is up to 1080p (1920X1080) and **average bit rate is 35mbps** with peaks at up to 50mbps.

Panasonic and Sony HD camcorder (xxx.mp4):
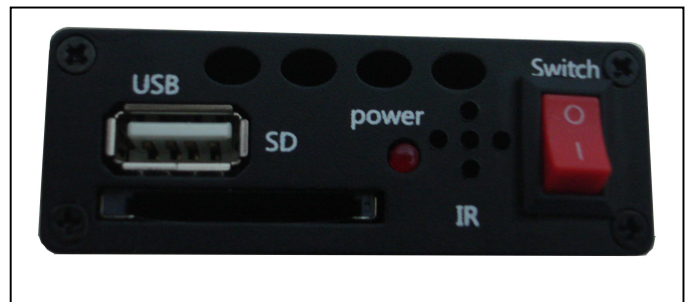The player plays AVC (h.264) files created by Panasonic and Sony HD camcorders.

Flip Video HD movie file (xxx.mp4):
The player supports movie files that have been created using Flip Video hand held HD recorder. Files are mpeg4 HD, xxx.mp4.

Digital camera movie file (xxx.mp4,xxx.avi):
The player supports movie files that have been created using regular Digital cameras (with movie recording capability). These cameras usually create pictures in xxx.mov, xxx.avi and xxx.mp4 formats. You can copy these files directly into the USB drive and play it on the AMA-mini.

VIDEO OUTPUT (all are ON simultaneously):
AMA-mini has 2 video output: HDMI and Composite. When playing, these video outputs are simultaneously ON regardless of the video setting and file being played.

OPERATING MODES:
The AMA-mini can be set to operate in standard mode and Sync mode. These modes are set in the autoplay.txt.
Standard mode, after powering up the AMA-mini will automatically loop files in the root directory.
Through the RS485 and IN6 input board, you can play up to 48 video files (using 4 pcs IN6 input boards). When an input is triggered, there is less than 1 second delay before the file is played.

Seamless Loop (standard mode):
To seamlessly loop a video, add end time statement in autoplay.txt. The end time is the playtime you want the file to play before it seamlessly loops back.

Built In Resume function (standard mode):
If while playing the loop file an input is triggered, the player will pause the loop file and play the input. After finish playing the input it will return to resume play the loop file again. It will not return to play the loop file from start.

SYNC mode: SYNC a GROUP of AMA-mini:
Using the SYNC-HUB board, you can start sync a group of AMA-mini. The sync-hub board will start sync the players, not frame sync. Each sync-hub board can be connected into 9 AMA-mini player. You can chain the sync-hub units to create up to 128 sync players.

Applications:
- Hi-Def Video player for Museums and Science Center exhibits.
- Hi-Def Video player for Interactive travelling exhibit.
- Hi-Def Video presentation for Theme Parks, State Parks and Family Fun Parks.
- Synchronize multiple screen video presentation.

OPTIONS:
1. IN6 digital input unit for connection to push button input,or any dry contact input (relays etc). Connect to AMA-mini through the RS485 port. Each IN6 has 12 digital input (6 single pole and 6 double pole push button inputs). You can connect up to 4 IN6, total 48 digital inputs.
2. Sync Hub unit to sync up to 9 AMA-mini. Connect the sync hub to AMA-mini trough RS485 port. You can connect up to 8 sync hub, to sync a total of 64 AMA-mini..
3. 50Watt digital audio amplifier. Connect directly into the A/V out of the mini. Output is stereo 25W+25W at 8 ohm.

Specifications:

Video storage ……….… SD card and USB Flash drive	Other storage ………..…. memory device using USB 2.0
HD video format .... Mpeg4,Mpeg2 and Wmv HD	SD Video format ……..……… Mpeg2 and VOB (DVD)
HD file spec…..………….... upto 1080p at 40 Mbit/Sec	SD file spec……………... NTSC and PAL at 9 Mbit/Sec
Video out ……….... HDMI/CVBS resolution adjustable	Stereo Audio out ……….…. HDMI and analog stereo
Control port.RS485 ……….... Std RJ12 6 pin connector	IR (remote control) port.…. Use IR remote control (included)
Voltage & Power .... Desk Top12 Vdc, 2 Amp	AC input, universal ……………120 – 240VAC, 50-60Hz
Metal enclosure size ………. 2.5"W X 3.8"L X 0.8"H	Weight including P.S ……………..... Approximately 1.5 lbs