AMA mini Ver2
Solid State Video Player
With Digital input, LAN and Real Time Clock

Features:

AMA mini features:

♦ Play video from USB drive /micro SDHC card and output video simultaneously through HDMI, YPbPr and AV out.

♦ Edit content of USB/SDHC card from your PC/Laptop remotely through LAN (RJ45). Optional WIFI adapter,.

♦ Micro SDHC card is partially hidden inside the player to prevent unauthorized removal/tampering.

♦ Complete set of video output: A/V out, HDMI and Component YPbPr..

♦ All video output are ON simultaneously regardless of the video setting.

♦ Compact small size, only 5.25"W X 4"L X 1"H

AMA mini operations:

♦ Automatically loop video after powering up.

♦ Special mode to Seamlessly loop a video.

♦ Play different video files using the built in digital input and push buttons and sensors.

♦ Play video files using Real Time Clock.

♦ Play Jpeg slide show with audio.

♦ Built in LAN port to edit USB/Micro SD card.

♦ Play video using RS485 port.

Note: Features listed above are all built into the player. No extra fees/licenses are required.

Description:

AMA-mini ver2 plays from:

USB port (2 pcs):

Use USB drive, External USB hard drive or any memory card reader using USB2.0 interface. You can use any of the 2 ports.

Micro SDHC card socket:

Socket is partially hidden under the PCB to prevent unauthorized removal/tampering. Use Micro SDHC card at up to 32GB.This card is commonly used by the newer smart phones.

Digital input:

The AMA mini has 3 digital inputs. You can directly connect 3 single pole push buttons to play different video files AND additional 3 double pole push buttons. You can also use the optional IN6 unit to expand the input to 48.

Real Time Clock:

The AMA mini has a built in Real Time Clock. You can program the player to automatically play different video files based on TIME of the day and DAY of the week.

E.g.: play Lobby.mov everyday between 8am to 4pm etc.

LAN port (local area network):

When connected into a local area network. The AMA mini will automatically log in and appears on the Microsoft Windows Network. From this network, you can remotely copy and delete files on the Micro SDHC and USB drive. You can also remotely reboot the player. An optional WIFI adapter is also available.

VIDEO OUTPUT (all are ON simultaneously):
AMA-mini has 3 video output: HDMI, YPbPr and Composite. When playing, these video outputs are simultaneously ON regardless of the video setting and file being played.

AMA-mini plays the following video format:
Apple's quicktime (xxx.mov) at up to 35 mbps, video size is 1920X1080p.
Mpeg2 HD (xxx.ts, xxx.m2ts) at up to 40 mbps, video size is 1920X1080p
Windows media HD (xxx.avi,xxx.wmv) at up to 35 mbps, video size is up to 1920X1080p.

OPERATING MODES:
The AMA-mini can be set to operate in autoplay mode and fastmode. These 2 modes are define by autoplay.txt OR fastmode.txt..

Autoplay mode.
If autoplay.txt is in the drive, the AMA-mini will automatically loop files in the root directory of the drive (either USB or micro SDHC card). It will loop the file with black screen in between loop. While looping the AMA mini will wait for an input. When an input is triggered, it will play the file inside a file folder only. Note: There is about 1 second delay before the file is played.
Through the built in input OR optional IN6 input board, you can play up to 48 video files (using 4 pcs IN6 input boards).

Built In Resume function (autoplay 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.

Fastmode:
If fastmode.txt is in the drive, the AMA-mini will automatically go into fast mode**. After powering up, it will SEAMLESSLY loop (no black screen, no freeze frame) the first file** in the root directory of the drive (either USB or micro SDHC card).

Sync a group of AMA-minis(use fastmode):
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.

PLAY VIDEO based on TIME of the day, using Real Time Clock (RTC.txt):
The AMA Mini has a built in real time clock. Using this clock, you can play any video files based on time and day of the week. For example you can program the AMA mini to automatically play a certain video file on Monday between 4pm to 6 pm etc.

PLAY (JPEG) SLIDE SHOW with AUDIO background:
AMA mini can play a group of Jpeg files together (slide show) with audio background. AMA mini will play the Jpeg files and at the same time play mp3 audio files that is located in another folder.

Applications:
- Hi-Def Video player for Museums and Science Center exhibits.
- Hi-Def Video player for Interactive travelling exhibit.
- 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.**WIFI adapter.** Manage content of USB drive/micro SDHC card from your laptop through WI.I
3.**Sync Hub** unit to sync up to 9 AMA-mini. Connect the sync hub to AMA-mini trough RS485 port.
4.**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…… USB Flash drive and Micro SDHC	Other storage …. memory device using USB 2.0
HD Video format ………. Mpeg4,Mpeg2 and Wmv HD	SD Video format ………… Mpeg2 and VOB (DVD)
HD Video spec…...………. up to 1080p at 40 Mbit/Sec	SD file spec……….. NTSC and PAL at 9 Mbit/Sec
Video out ….. HDMI/YPbPr/CVBS resolution adjustable	Audio out ….….… HDMI, analog stereo and SPDIF
USB2.0 port, host …………………. for USB2.0 drive	USB2.0 slave ………… for connection to PC/MAC
Control port.RS485 ………... Std RJ12 6 pin connector	LAN port ……………….. 4 pin screw on terminal
Digital Input ……………………… 3 input, IN1,2 and 4	Operating temperature ..… 40F to 104F OR 4C to 40C
Voltage & Power …………..... Desk Top12 Vdc, 2 Amp	AC input, universal …….….…120 – 240VAC, 50-60Hz
Metal enclosure size ………… 5.25"W X 4" D X 1.1"H	Weight including P.S …..... Approximately 2.1 lbs