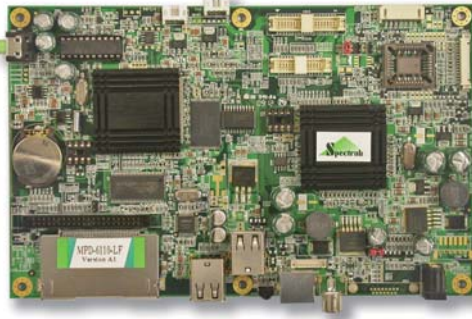




HD Digital Signage Controller

MPD-6110



Overview:

Spectrah MPD-6110 HD Digital Signage Controller is a dual functional controller board which integrates new generation of digital media processor and also LCD panel controller together. It is ideal for media display applications like digital signage or information terminal. MPD-6110 allows users to arrange playlist & schedule control. MPD-6110 provides HD resolution for video playback, excellent display quality, ease of use, cost-efficient solutions, and supports various video playable formats for various applications.

Specifications:

ADC Controller

- Genesis Scaler chip
- Adaptive color and contrast enhancement (Genesis ACC & ACM-II features)
- 8-bit triple-channel ADC/PLL
- Scaling engine
- OSD controller
- Hue / Saturation / Brightness / Contrast / Color temperature adjustment

Digital Media Processor

- High performance audio / photo / video engine
- HD component output for 720P JPEG display
- Scaler for video up-conversion to 720P
- Pixel adaptive de-interlacer
- 2 channel stereo audio DAC
- Support music and photo slideshow application

Enhanced Operation Control

- Automatic Power ON/OFF (optional)
- Playlist & Schedule Control

Storage Device Interface

- USB 2.0 host port x 1
- USB 1.1 host port x 1
- 1 Compact Flash II socket for CF-II card
- 1 IDE 44-pin connector for IDE hard disk

Audio Output Port

- Phone jack stereo output connector
- Support audio amplifier and volume control

Panel Support

TFT LCD from VGA resolution up to SXGA resolution

Power In Support

LCD Panel: +12V, +5V +3.3V
Backlight Inverter: +12V, +5V, +3.3V

IR Remote Control

Multi-button control for operation of media player

Playable Format Support

Content / Card	Minimum	Maximum	CF	USB flash	HDD
JPEG,TIFF,BMP	16x16	5120x3840	YES	YES	YES
MP3	32K bps	256K bps	YES	YES	YES
MPEG1			YES	YES	YES
MPEG4 SP		QVGA/CIF	YES	YES	YES
MPEG4 ASP		D1	YES	YES	YES
Divx 3.x/4.x/5.x		D1	YES	YES	YES
MPEG2		D1	NO	YES	YES

On Screen Display (OSD) in Scaler

- Auto setup
- Brightness / Contrast adjustment
- ACC/ACM-II color enhancement & Contrast adjustment
- Image V-Position / H-Position adjustment
- Auto color reset / Standard color setup
- Hue / Saturation / Color temperature adjustment

Board Dimension

Board Dimension: 190 (L) mm x 120 (W) mm
Weight: 180g

Ordering Information:

- MPD-6110 (Audio, TTL & LVDS output)

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