

OVERVIEW

The PMB100X model is an AV display controller for LCD monitor and other flat panel display applications. This board (AD Board) uses LVDS or TTL interface with FPD panels and provides special features useful and easy to build display systems .

KEY FEATURES

- ◆ Interface with TFT (active matrix) LCD panels of 640X480, 800X600, 1024X768, 1280X768, 1280x800, 1280x1024, 1366X768 , 1440x900, 1680X1050,1600X1200, 1920X1080, 1920X1200 Resolutions
- ◆ Computer video signals of VGA, SVGA, XGA, WXGA , SXGA,SXGA+, UXGA, Full HD, WUXGA
- ◆ CVBS and S-VHS Video signals of NTSC, PAL standard
- ◆ YPbPr/YCbCr Component signals of 480i ,480p ,720p,1080i,1080p - 59.94/60 Hz
576i, 576p, 1080i,1080p - 50 Hz
- ◆ HDMI (1.1) digital - video signals of 480i ,480p ,720p,1080i,1080p - 59.94/60 Hz
576i, 576p, 720p,1080i,1080p - 50 Hz
audio signals of 16Bit, 24Bit digital stereo
with 44.1kHz ,48kHz , 96kHz, 192kHz
- ◆ DVI digital signals - Computer video signals (H: 31kHz~95kHz, V: 55Hz~76Hz)
(SRGB color Control)
- ◆ Analog RGB - Computer video signals (H: 31kHz~95kHz, V: 55Hz~76Hz)
- ◆ Audio AMP - stereo 2 X 5W with 4Ω speaker
- ◆ External Audio in and Headphone output
- ◆ Audio switch menu between external audio and digital audio (HDMI Input)
- ◆ CMC Menu - Color Menu Converting between RGB and YUV AV in case of HDMI (DVI) Input
- ◆ 8 OSD Languages
ENGLISH, FRANCAIS, DEUTSCH, ESPAÑOL,
CHINESE(繁體), CHINESE(简体), JAPANESE(日本語), KOREAN (한국어)
- ◆ OSD Control - Menu, Enter, Down, Up, Power 5Keys
- ◆ Plug & Play - VESA DDC 1/2B Ver1.3
- ◆ Panel Interface - LVDS single (RGB 18bit or RGB 24 bit) , LVDS Dual RGB 24 bit ,
TTL single RGB 18bit
- ◆ 4 kinds of gamma settings
- ◆ Image OverScan OnOff - DSUB RGB input, HDMI (DVI) Input, Component Input
- ◆ Jumper Option - Panel selection , Panel Power (12V,5V,3.3V) ,
Backlight Inverter Dimming (normal or invert),
Panel color (18bit or 24bit) , LVDS MAP (normal or shift), LVDS or TTL Interface
- ◆ Production option - HDMI(DVI) , Component , Video+S-Video , Audio , TTL Interface ,Power Input Jack
Power Input Supply (24V model or 12V model or other)
- ◆ Remote Controller (Option)
- ◆ RS232 serial communication(Option)
- ◆ -20°C to 40°C Operating Ambient Temperature
- ◆ 145mmX105mm Board size
- ◆ RoHs Compliant

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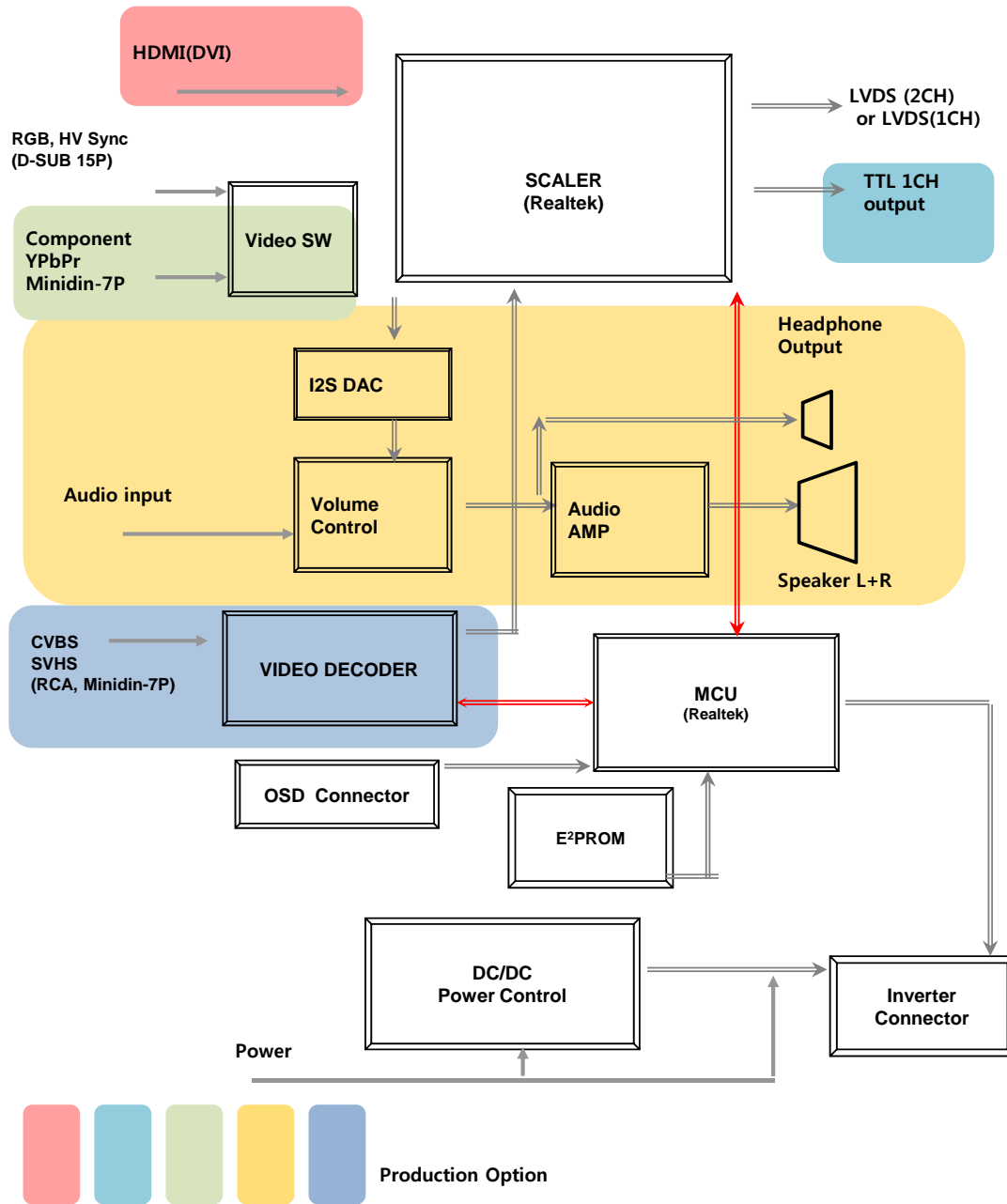
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APPLICATIONS

- ◆ Desktop Monitor
- ◆ Industrial and Medical Display Systems
- ◆ AV MFM Monitor and IPTV

Please contact us for the details of specifications.

BLOCK DIAGRAM



- PMB100X BLOCK DIAGRAM -