



Smart Box X91585 (For SXGA Panels)



Overview:

The Smart Box X91585 is an all-in-one LCD panel controller box. This product integrates an A/D converter board, 4 CCFLs inverter, OSD touch buttons, and LVDS display cable to help users easily assemble the SXGA resolution monitors.

The mounting holes and high quality adhesive allow users to attach the smart box to the LCD panel easily and firmly. With the Smart Box X91585, fabricating a LCD panel couldn't be easier.

Features:

- All-in-one box (Including A/D converter board, inverter, OSD board, and LVDS cable)
- Excellent display quality from VGA (640 x 480) up to SXGA (1280 x 1024)
- 4 CCFLs DC to AC inverter supports 4 tubes backlight and provides PWM dimming function for smooth brightness adjustment
- Aluminum, lightweight and compact

Specifications:

Internal ADC Controller Board

ARV-1585 series

Input Interface

- Analog R.G.B. connector (13-pin wafer connector, 2.0mm)
- 5-pin power input connector (5-pin wafer connector, 2.0mm)

On Screen Display

- Auto tuning
- Brightness / Contrast / Black level adjustment
- Color temperature adjustment
- Image V-position / H-position adjustment
- Auto color reset / Standard color setup

Panel Support

- TFT SXGA 1280 x 1024

Image Processing Feature

- Auto-detection (Input format detection)
- Auto-configuration (Input positioning & Phase)

Image Scaling

Scale up / Down a lower / Higher resolution images to fit higher / lower resolution panels

Panel Connection

- One 30-pin LVDS connector

VESA Standard

- Supports VESA DDC2B and a subset of VESA DPMS standards
- On board EDID ROM compliant with VESA DDC2B 1.X (Optional)

Power Requirement

- Single +12V/45W power adapter

Mechanical Characteristic

- Dimension (L x W x H): 235mm x 142mm x 17.8mm
- Weight: TBD
- Color: Original aluminum

Panel Supporting List:

- | | |
|--------------------|------------------|
| 17" LCD Panel | 19" LC Panel |
| - AUO_M170EG01 | - AUO_M190EG01 |
| - CMO_M170E5-L0A | - CMO_M190A1-L07 |
| - NEC_SVA170SX01TB | |

Ordering Information:

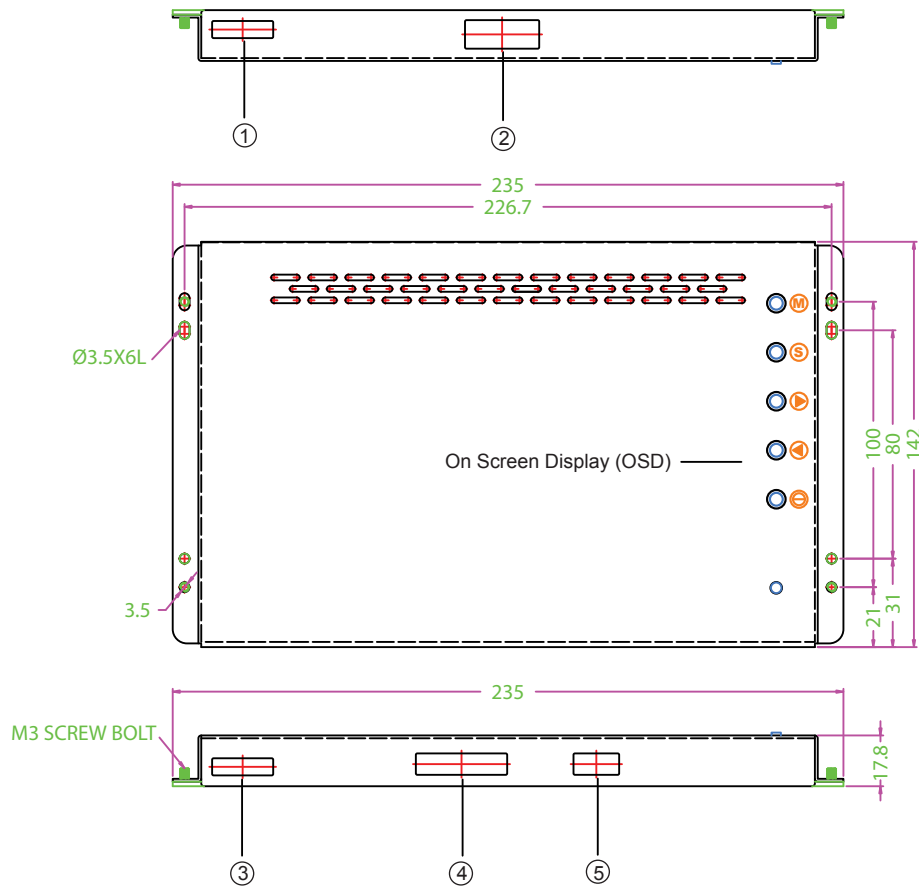
- SP-X91585-SXGA17-E6
- SP-X91585-6B-SXGA17-E6

Smart Box

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Dimension:

220mm x 133mm x 17.8mm (L x W x H)



- ① Inverter Connector ② LVDS Connector ③ Inverter Connector ④ Analog R.G.B. Input Connector ⑤ Power Connector

Function Introduction



Bottom (From left to right)
 - Inverter connector
 - Analog R.G.B. input connector
 - Power connector



Top (From left to right)
 - LVDS connector
 - Inverter connector



Back
 - Attached to a 17" LCD panel



Back
 - Attached to a 17" LCD panel