

The Digital View AC-0800 interface controller for OEM monitor and packaged LCD solutions.

Panels: 800 x 600 & 640 x 480 TFT colour LCD & other.
Input: Analog SVGA, VGA & other

The AC-0800 is a fully buffered multi-sync interface providing direct analog connection for a wide range of TFT LCD panels with a resolution of 800x600 or 640x480 and features full screen image expansion for VGA mode. The AC-0800 is a compact high performance single board solution.

Key features of Digital View flat panel interface controllers include excellent picture quality, ease of use, extensive features and cost effective performance.



SVGA

VGA

Features

- **Panel Connectivity:** Primarily designed for 800x600 resolution TFT panels, versions are also available that support TFT 640x480 panels.
- **Input signals:** Analog VGA & SVGA with full screen image expansion, with separate sync, sync-on-green & composite sync (auto detect). Pixel clock to 50MHz, vertical refresh rate to 75Hz at SVGA resolutions.
- **Computer graphics modes:** VGA~SVGA auto detect. Interlaced & non-interlaced.
- **Panel power:** 3.3V & 5V.
- **Panel signal:** TTL - LVDS & TMDS options.
- **Colors:** Up to 8 bit per colour, ie 16.7 million colors..
- **Functions display:** On Screen Display (OSD) of functions with multiple languages.
- **Functions control:** Buttons, Infra-red, RS-232.
- **Image control:** Auto setup, Brightness, Contrast, Tuning, Size, Individual RGB adjust, Image Rotate & Invert, Expansion On/Off, Image position, FRC.
- **Other features:** System information, Run-time counter, OSD position, Signal level.
- **Multi-language:** 7 languages option for OSD menu display.
- **Dimensions:** 178mm x 91.5mm (7" x 3.6") approx.
- **Mounting holes & layout:** Digital View standard.
- **Connectors:** Embedded & external type.
- **Power requirements:** 12V DC.
- **Power saving:** VESA DPMS compatible.
- **Power/signal protection:** Fuse and power sequencing.
- **Inverter support:** 5 & 12V, Enable pin.
- **Plug & Play:** DDC 1, 2/b compatible
- **Status indicator:** Dual colour LED support.
- Auxilliary power output connector.

Panel Compatibility Guide

Ref	Panel type
Hitachi	TFT
Hosiden	TFT
Hyundai	TFT
IBM	TFT
LG	TFT
Mitsubishi/ADI	TFT
NEC	TFT
Samsung	TFT
Sharp	TFT
Toshiba	TFT

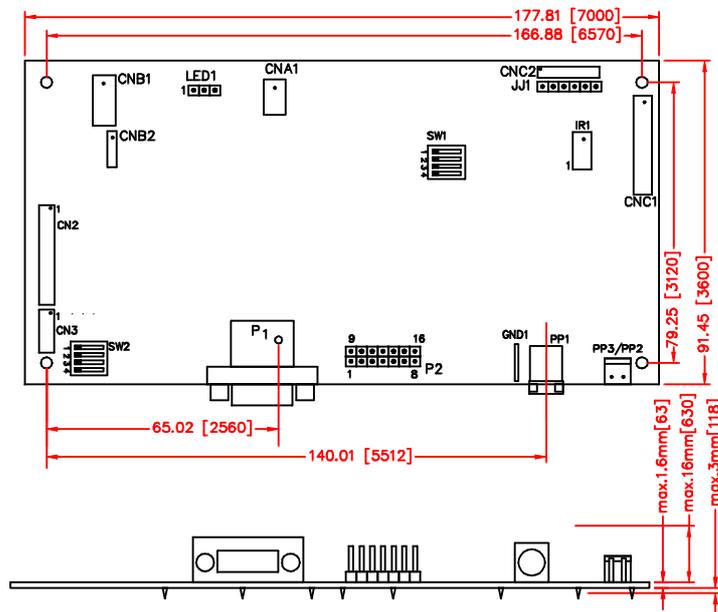
Order Information

Item	Description
1	AC-0800 controller
2	Panel signal cable & connector kit
3	Backlight inverter & cables kit
4	Function controls & cables kit
5	LVDS, TMDS interface options
6	IR sensor & cable kit
7	Status LED & cable kit
8	PC to controller graphics cable
9	AC/DC power adapter: +12V DC output

Support for the above panels (and more as they become available) is being introduced progressively, please check at time of placing order for specific compatibility.

Connection for panel backlight inverters and auxiliary power for touch screens.

Connection for 800x600 resolution TFT type LCD panels with standard & optional LVDS/TMDS



Consistent mounting holes, connector types and general layout with other Digital View controllers

User control options include buttons, infra-red & RS-232.

Input connectors for both embedded and external type connection.

Connector reference

CNA1	Aux power output: JST B4B-XH-A	JJ1	RS-232 serial: 6-pin header
CN2	Panel signal: Hirose DF11-32DP-2DSA	LED1	Dual colour status LED: 3-pin header
CN3	Panel signal: Hirose DF11-10DP-2DSA	IR1	IR sensor: JST B3B-XH-A
CNB1	Inverter: JST B5B-XH-A	P1	15-way D shell for VGA input
CNB2	Alternate inverter: Hirose DF13-10P-1.25DSA	P2	Alternative VGA signal input
CNC1	Function controls: JST B12B-XH-A	PP1	5.5mm phone jack for 12V DC supply
CNC2	Alternate Function controls: Hirose DF13-9P-1.25DSA	PP2/3	Alternative power input

Notes:

- Dimensions are in mm and (mil).
- PCB mounting holes connect to ground.
- PCB mounting holes are 3.2mm.
- Other mounting holes for inverter are not grounded.
- Drawing is not to scale.

ASIA

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