



NEURO LOGIC
SYSTEMS

PMT-10 10" LCD Display



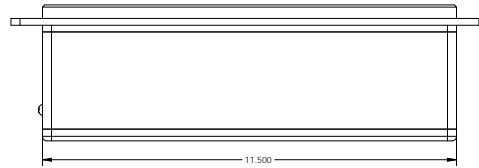
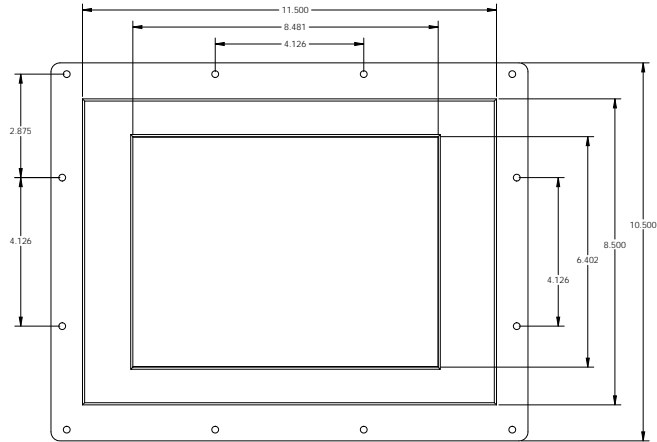
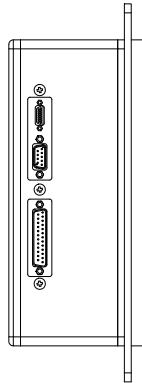
THE PMT-10 IS A 10-INCH LCD, INFRARED TOUCHSCREEN AND A QSI ETHERNET-ENABLED, GRAPHIC HUMAN MACHINE INTERFACE (HMI) TERMINAL BUILT INTO A SOLID ALUMINUM HOUSING. THIS UNIT WAS BUILT SPECIFICALLY FOR THE U.S. NAVY AND IS USED FOR FIRING WEAPON SYSTEMS. WHILE THIS UNIT WAS BUILT FOR WEAPONS SYSTEMS, THE NLS/QSI COMBINATION CAN BE CUSTOMIZED FOR ANY APPLICATION.

- 10" WIDE-VIEWING LCD
- 901, 461E AND 810 MIL SPECS
- MILLED ALUMINUM HOUSING
- HMI COLOR TERMINAL
- PoE READY
- PASSED 901D-HEAVYWEIGHT-GRADE A



KEY FEATURES

- 10" Wide-viewing, high contrast LCD
- 80-degree (up/down/left/right) viewing on all panels
- Rear-mounted OSD controls
- 3mm heat treated glass over the LCD
- Fan-cooled electronics (optional)
- Infrared Touchscreen
- Optional HD-15 - BNC or NTSC
- Optional RGB Green Sync, RS-170, Y and C (S-video) thru BNC, NTSC, VGA
- Ethernet-enabled touchscreen terminal
- NEMA 4 front option
- Mil-Spec 461E, 901 and 810
- 24 and 48 volt and 400Hz power supply options
- Custom modifications available on all models
- Larger LCDs available
- See more pictures of the PMT-10 getting ready for the barge test.



LCD TECHNOLOGY

LCD Technology:

- Active matrix TFT color LCD
- 10.4" diagonal screen size
- 800 x 600 addressable pixels
- 0.33mm pixel pitch
- 350cd/m² (typ.) brightness
- 250:1 (typ.) contrast ratio
- Tr: 25ms / Tf: 15ms (typ.)
- L/R=75° / 75°, U/D=55° / 55° viewing angle
- 30,000 hours life (min.)

Display Resolution:

800 pixels(H) x 600 lines(V)

Active Display Area:

211mm(H) x 1581mm(V)

Displayable Color: 262k colors

Horizontal Scan: 31.5kHz to 80kHz

Vertical Refresh: 56Hz to 75Hz

Pixel Frequency: 110MHz

Input Signal:

- Video: analog RGB 0.7 Vp-p
- Sync: separate sync, composite sync, sync. on green

Auto-adjustment: Yes

I/O Connectors:

- DC power in
- VGA in D-sub 15 pin

User Controls:

- Multilingual on screen menu adjustments
- External adjustment button
- External brightness adjustment
- Screen image control items: Auto-Adjustment, Contrast, Horizontal Position, Vertical Position,

Frequency, Tracking, Display Mode, OSD Off Time, Language, Text-Graphic, Reset, Volume, Mute, Color setting, Color adjustment (R.G.B)

Power Saving:

VESA DPMS standard (4 mode)

Power Consumption:

35 watt (max.), < 5 watt (off mode)

LCD Agency approval:

FCC-B, CE-B, VCCI-II, BSMI, CCIB, UL, CUL, TUV, CB, TCO' 99

Operating Temperature:

- 0°~40°C / 32°~104°F
- Humidity: 80% maximum

Storage Temperature:

- -20°~60°C / -4°~140°F
- Humidity: 95% maximum