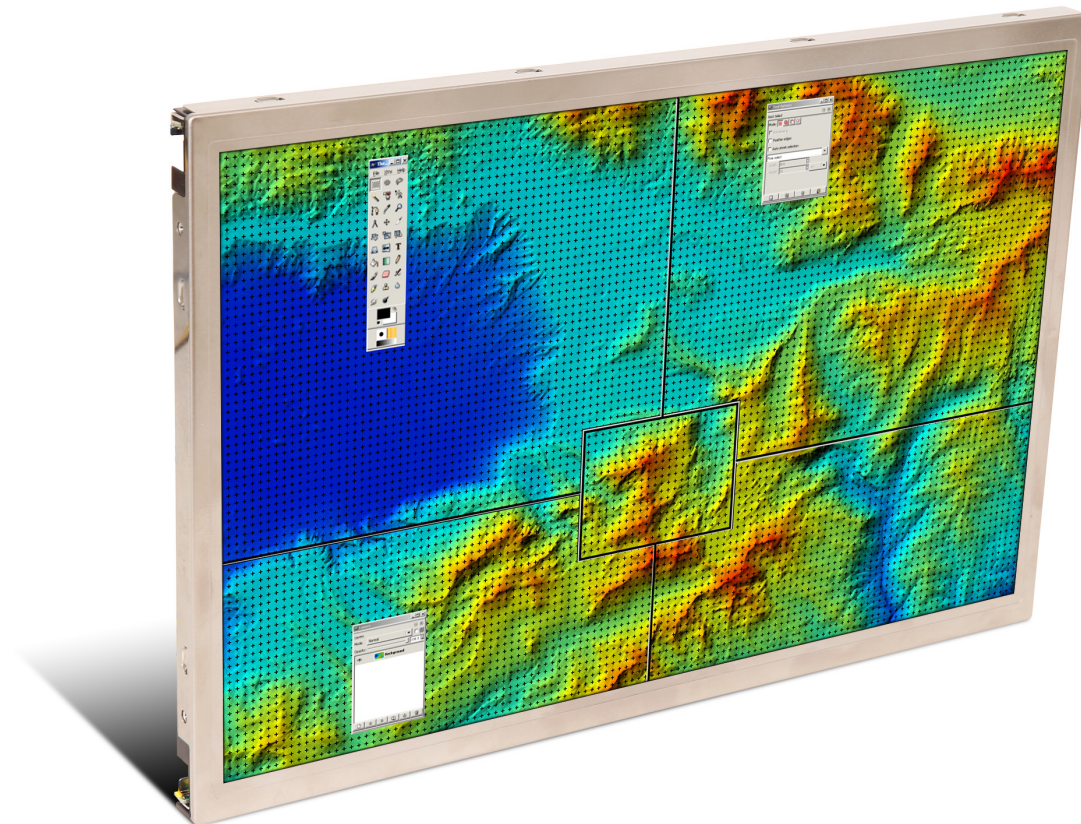# 90-4150-011

Enhanced, Sunlight Readable, 15.0" Display Head Assembly

General Digital has designed the AUO G150XTN06.0 15.0" XGA display for integration of a sunlight readable backlight. This AUO display has been customized specifically for use in Military and Government applications.

Please feel welcome to consult with a Sales Engineer for additional information at 800.952.2535.

FEATURES

> 15.0 inch, 1024 X 768 resolution

> 4.4:1 Sunlight Readable Contrast

> Backlight Draws Less Than 14 Watts

> Sunlight Readable LED Backlight produces 1300+ nits

> Switchable Between Day/Night and NVIS Modes

> Fully Dimmable (~1000:1)

> LVDS (Low Voltage Data Signal)

> Selectable 8-bit or 6-bit digital signals of RGB

> Viewing Angle: R/L 80°/80°, U/D 60°/80°

> Operating Temperature: -30° C~85° C

> Storage Temperature: -30° C~85° C

OPTIONS

> Custom Bezels, Enclosures

> HDMI Video Controller Board

> Optical Bonding (Display Enhancement)

> Antireflective or Antiglare Protective Glass Overlay

> Various Overlays (EMI, Heaters, Vandal Shields, More)

> Touch Screens (Capacitive, Resistive, Circular Polarized, More)

OVER 35 YEARS OF FLAT PANEL SOLUTIONS

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GENERAL SPECIFICATIONS[1, 2]

Display Size (diagonal)	15.0 inches
Pixels	1024 (H) x 768 (V)
Display Area (mm)	304.13 (H) x 228.1 (V)
Module Size (mm)	326.5 (W) x 253.5 (H) x 12.0 (D)
Backlight	Sunlight Readable, High Efficiency LED Backlight (General Digital manufactured)
Luminance (dark room) @ **Contrast** (dark room) @ **Power**[3]	Config 1[4]: 1320 cd/m² @ 1208:1 @ 13.11 W Config 2[5]: 430 cd/m² @ 1212:1 @ 5.29 W
Weber Contrast/Class	Config 1[4]: 4.47/Class 4 Config 2[5]: 1.36/Class 1
Drive System	PSWG TFT Active Matrix
Display Color	16.7 Million Colors
Pixel Arrangement	RGB Vertical Stripe
Dot Pitch (mm)	0.099 (H) x 0.297 (V)
Viewing Angle	Horizontal: ±80°; Vertical: +60°, -80° (at the contrast ratio > 10:1)
Polarizer Surface	Antiglare
Color Gamut (against NTSC color space)	60% typical (at LCD panel center)
Response Time	$T_{on} + T_{off}$ (10–90%); 8 ms (typical)
Signal System [8-bit Digital Signals for Data of RGB Colors, Dot Clock (CLK), Data Enable (DE)]	LVDS 1 Port
Power Supply Voltage	LCD Panel Signal Processing Board: 3.3 V
Storage Temperature	-30°–85° C
Operating Temperature	-30°–85° C
Weight	TBD

1 Specifications other than Backlight, Luminance and Weber Contrast are based on the manufacturer data sheet.

2 Available with optional NVIS capability.

3 All data obtained while driven by a Kikisui PAD35-10L power supply. Measurements were taken with a Minolta CS-100 photometer.

4 Rail temperature of 50° C.

5 For customer comparison: At OEM brightness, the modified display consumes less power than the unmodified OEM display.