

GVA-DISP

**15" GVA-Compliant
Multifunction Display,
1080p @ 120Hz**

FEATURES

15" Sunlight-Readable Display

Native 1080p @ 120Hz Panel

Projected-Capacitive Touchscreen

GVA Data Model Compliant
Interface

Display_Panel Class
(Resolution/Contrast)

Human_Interaction_Resource Class
(Brightness/Blackout)

HMI_Application & HMI_Desktop
Support

Multimedia Routing Video
Channels

Low-Latency EO/IR Full-Motion
Video

Blackout & NVG-Compatible
Dimming

Built-In Test (BIT) Reporting to
HUMS

Multi-Crew-Station Desktop Grid

HDMI Video Input

Gigabit Ethernet (GVA DDS Bus)

Rugged Sealed Front Panel

Land Platform Vehicle Mount



**MADE IN
AUSTRALIA**

GVA-DISP is a sunlight-readable 15" multifunction display (MFD) built to the UK MoD Generic Vehicle Architecture (GVA) Multifunction Display Integration Guide v2.0 data model interface. Native 1080p @ 120Hz panel drives smooth, low-latency full-motion video for fast-moving EO/IR sensor feeds, gunnery sights and situational awareness applications on land platforms.

GVA-DISP implements the standard GVA Human-Machine Interaction resource model — Display_Panel, HMI_Application, HMI_Desktop and Human_Interaction_Resource classes — so it drops into any GVA-compliant vehicle bus without bespoke integration work, exposing brightness, contrast, blackout and test-mode control over the standard GVA interface.

GVA Data Model Interface: GVA-DISP implements the Display_Panel (setResolution, setContrast, setPositionOnDesktop), Human_Interaction_Resource (setBrightness, setBlackout, setTestMode) and HMI_Application/HMI_Desktop (se-

tActive, setVisible, setGridFormat, setInputFocus, setLanguage) command sets defined in the GVA Multifunction Display Integration Guide v2.0, giving vehicle integrators a standards-based path to add or swap displays without touching upstream mission systems software.

Video & Multimedia Routing: The 1080p/120Hz panel is paired with GVA Multimedia Routing support (Routable_Receiver_Channel connect/disconnect, region-of-interest and digital zoom passthrough) for direct routing of EO/IR video provider channels from turret and sensor systems to the desktop with minimal latency.

Crew Station Ready: Multiple GVA-DISP units can be composed into a shared HMI_Desktop grid with independent input focus per crew station, supporting blackout discipline, day/night dimming and built-in test reporting back to the platform HUMS layer.



MULTIFUNCTION DISPLAY 1080P / 120HZ



FIND OUT MORE

Commercial Off The Shelf (COTS) and Modified Off The Shelf (MOTS) solutions for defence and aerospace.

Astute Systems is a global leader in rugged AI computing, GVA-compliant software and interface hardware for mission-critical vehicle systems.

SPECIFICATIONS

DISPLAY

- 15" sunlight-readable LCD
- Native resolution 1920x1080 (Full HD)
- 120Hz refresh rate
- Projected-capacitive touchscreen

GVA INTERFACE — DISPLAY_PANEL

- setResolution, setContrast
- setPositionOnDesktop

GVA INTERFACE — HUMAN INTERACTION

- setBrightness, setBlackout
- setTestMode

GVA INTERFACE — HMI APPLICATION/DESKTOP

- setActive, setVisible, setSize, setTopLeft
- setGridFormat, setInputFocus
- setLanguage, setTimeZoneOffset

MULTIMEDIA ROUTING

- Routable_Receiver_Channel connect/disconnect
- Region-of-interest passthrough
- Digital zoom passthrough

CONNECTIVITY

- HDMI video input
- Gigabit Ethernet (GVA DDS bus)

STANDARDS COMPLIANCE

- GVA Multifunction Display Integration Guide v2.0
- GVA Data Model (DM) interface

PLATFORM INTEGRATION

- Land vehicle mount
- Multi-crew-station desktop grid
- BIT reporting to platform HUMS

NOTES

- Environmental/EMC ratings available on request

Specifications subject to change without notice.
GVA compliance requires land platform integration.

CONTACT YOUR LOCAL REPRESENTATIVE

FOR MORE INFORMATION ON HOW WE CAN ADAPT OUR SOLUTIONS TO MEET YOUR IO REQUIREMENTS

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