



Astronautics Corporation of America

**20.1" LCD
PiP**

AV1612 - 20.1" LCD PiP Ruggedized Display

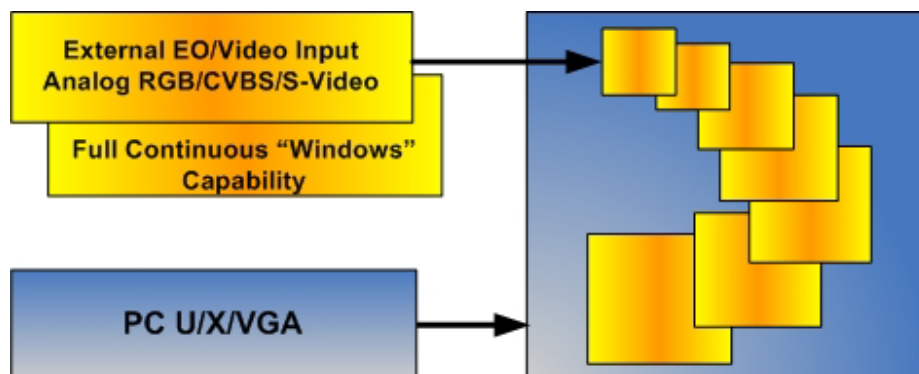
Astronautics 20.1" LCD Picture in Picture (PiP) display is a ruggedized display unit, with excellent optical qualities, state-of-the-art display processing, enclosed in single box, standard 9U 19" rack mount.

Designed for most demanding display systems and operating consoles, for Naval, Airborne and Land application.



Astronautics AV1612 –20.1" PiP ruggedized display main features:

- Latest generation high-brightness high contrast ratio active matrix LCD panel.
- High quality protective glass filter bonded to the LCD, for optional reflective index matching, eliminating possible condensation build-up on the viewing surface.
- High-resolution video imaging from VGA up to UXGA of 1600x1200 pixels.
- Process and display of digital and analog video inputs, allowing simultaneous multiple video sources display.
- Full "window" capability, of continuous PiP size and location across the display.
- Front OSD - keypad and display control together with remote/serial communication OSD operation.
- Quiet, fan-less operation for "zero-noise" environment.



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Astronautics AV1612 –20.1” PiP Ruggedized Display

| <i>Specifications</i> | |
|---|---|
| Colors: | 16.7 M colors (6 bits + Hi-FRC) |
| Viewing Angle: | Typical $\pm 80^\circ$ horizontal and vertical |
| Active Display Area: | 408(H) x 306 (V) mm |
| Orientation: | Landscape format with aspect ratio 4:3 |
| Brightness: | White surface luminance 300 cd/m ² typical |
| Constant Ratio: | 800:1 (typical) |
| Response Time: | Typical 1.0 msec (max 3.0 msec) |
| BIT: | Built-In-Test capability to provide fault detection and fault isolation without the use of any auxiliary equipment |
| Analog RGB Input: | 162.5 MHz bandwidth, up to 100 kHz H-frequency, up to 200 Hz V-frequency (UXGA 60Hz), H-Sync. (+/-), Composite Sync. On G and H |
| | Standard CVBS (Composite) and S-Video (Y/C) video inputs |
| Video Formats (for PiP display): | NTSC –M/N/4.43, PAL-M/N/B/G/H/I/D/K/L, SECAM video formats with auto decoding function |
| Picture Position: | Phase and size recognition with automatic self-adjustment capabilities (auto-phase/auto tracking) |
| Auto Scaling: | to maximum flat panel resolution (VGA, SVGA, XGA, SXGA, NTSC, PAL, SECAM) for analog RGB input (analog VGA standard connector) |
| DB9 Connector (DCUB) for Remote Control Functions: | Remote – OSD and firmware updates using the RS232 port |
| | 3mm anti reflection mineral glass pane or 3mm touch screen sensor pane |
| | Mechanically protected connection area |
| | 4-pin DC connector with filter and screw lock |
| Dimensions (Max): | 480(W) x 397.2 (H) x 101.6 (D) mm. weight: ~ 11.5 kg |
| Conformities: | IP42, EN55011 Class A, EN50081-1, EN50082-2, EN610000-4 |
| Mounting: | 19" Rack Mountable |

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***A World Leader in Navigation and Display Systems since
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