

# AV1612 - 20.1" PIP 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 a rack mount box. Designed for most demanding display systems and operating consoles, for Naval, Airborne and Land application.



Astronautics AV1612 –20.1” PiP ruggedized display main features:

- Ultra-wide viewing angle, high contrast LCD display.
- High-resolution - 1600x1200 pixels.
- AR coated protective glass bonded to the LCD for high contrast in sunlight.
- Process and display of digital and analog video inputs, having any resolution from VGA to UXGA.
- Two input video sources can be presented simultaneously as a picture-in-picture (PIP). Full “window” capability of the 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.



# AV1612 - 20.1" Display Performance



## CHARACTERISTICS

<b>Display Area</b>	408 (w) x 306 (h) mm
<b>Resolution</b>	1600 x 1200 color pixels
<b>Luminance</b>	300 Cd/m <sup>2</sup>
<b>Viewing Angles</b>	± 80° horizontal and vertical
<b>Contrast (in darkness)</b>	600:1
<b>Shades of grey</b>	8 bits per primary color
<b>Response time</b>	7ms rise / 9ms fall
<b>Video input</b>	Analog RGB & Sync , Digital DVI
<b>Picture-In-picture</b>	Full control of size and location via external communication
<b>Power input</b>	18-32 Vdc at 70W max power per MIL_STD-1275B (optional 704D).

## MECHANICAL and ENVIRONMENTAL SPECIFICATION

<b>Dimensions</b>	Suitable to be mounted in a 19" rack
<b>Weight</b>	11.5 Kg
<b>Cooling</b>	By natural convection and radiation
<b>Operating temperature</b>	0°C to 50°C (optional: from -30°C with heater)
<b>Altitude</b>	Up to 30,000 ft.
<b>EMI / RFI</b>	Per MIL-STD-461F

FOR MORE INFORMATION ON THIS OR ANY OF OUR OTHER PRODUCTS/SYSTEMS PLEASE CONTACT:  
 ASTRONAUTICS C.A LTD., 16<sup>TH</sup> MARTIN GHIL ST., PETAH-TIKVA 4951207, ISRAEL  
 Phone: +972-3-9251555, Fax: +972-3-9251550, email: [astro@astro.co.il](mailto:astro@astro.co.il) or visit our website: [www.astronautics.co.il](http://www.astronautics.co.il)