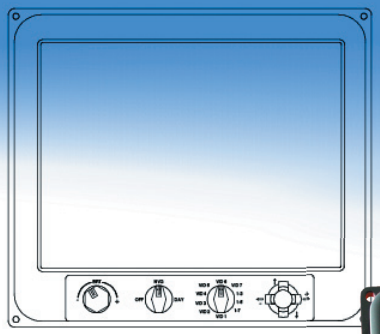
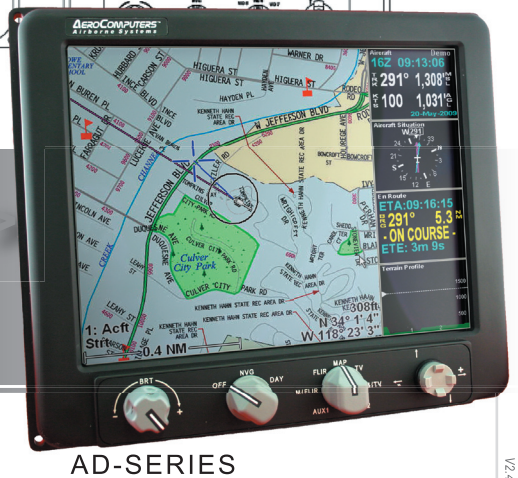
AeroComputers™ Airborne Systems

Since 1993



RUGGED DISPLAY MONITORS

AD-SERIES > > >



AD-Series LCD displays from AeroComputers are rugged, high-definition (HD) display monitors for aircraft, ground vehicles and shipboard environments.

By utilizing the latest AMLCD panel and LED-backlight technology, the AD-Series delivers video performance optimized for integration with standard- and high-definition electro-optical infrared (EO/IR) sensors and digital map systems. Available in 10", 12" and 15" (diagonal) versions, AD-Series displays share the same video processing system and offer the same standard inputs and outputs.

PIP DISPLAY CAPABILITY

Picture-in-Picture and Picture-by-Picture allow operators to keep track of multiple video inputs simultaneously.

Designed for law enforcement, public safety and military clients, the AD-Series features extremely durable powder-coated billet aluminum enclosures, extra-bright LED backlights, anti-reflective enhancements, wide viewing angles, and optically bonded screens. The AD-Series offers a variety of new features to increase safety in the cockpit, enhance usability, and help operators accomplish their missions.

Optional features for the AD-Series include NVG (MIL-STD-3009 compliant) lighting, highly sensitive touch screens, and bonded LCD heaters.

AD-SERIES
display monitors

- ✓ (2) HD-SDI INPUT
- ✓ TOUCH-SCREEN (RS-232)*
- ✓ PICTURE-IN-PICTURE (PIP) & PICTURE-BY-PICTURE (PBP)
- ✓ MIL-STD-3009 NVG*
- ✓ RUGGED ENCLOSURE
- ✓ SUPERIOR READABILITY
- ✓ MIL-SPEC ROTARY CONTROLS

** denotes optional feature*

V2.4 12.10.2009

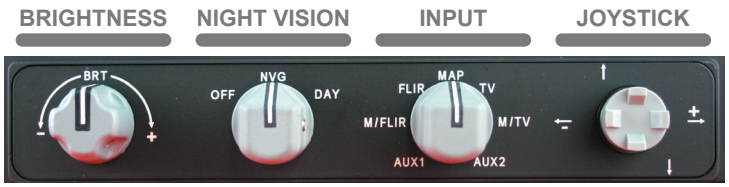
AeroComputers, Inc., based in Oxnard, California, has been designing, building and marketing computer systems that manage tactical operations for airborne applications since 1993. Currently employed by over 150 law enforcement, fire, military and other public safety agencies worldwide, AeroComputers is the industry leader in providing mission management systems that integrate GPS-based moving maps, image collection and transmission, illumination and data storage.

AeroComputers, Inc.
www.aerocomputers.com

2889 W. Fifth Street Suite 111
Oxnard, CA 93030

T: (805) 985-3390
F: (805) 984-8782

FEATURES:

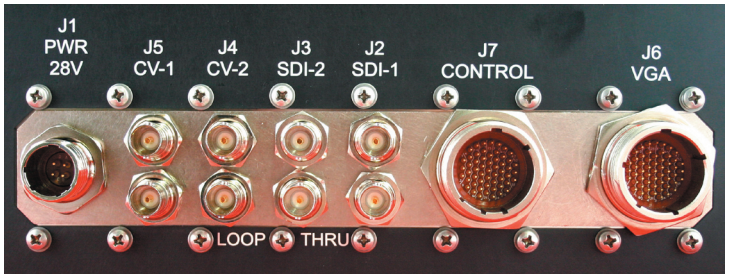


AD-Series displays utilize MIL-SPEC illuminated rotary switches for quick and accurate control. An illuminated light plate clearly identifies the current setting of each control.

ROTARY CONTROL

All displays come with dedicated Map, Daylight TV, IR, HD-SDI input positions, as well as split screen and picture-in-picture combinations.

A special 5-way joystick allows for OSD configuration and communication with digital map systems and other computers.



STANDARD INPUTS/OUTPUTS

- Composite Input (NTSC/PAL) (2)
- Composite Loop-through (NTSC/PAL) (2)
- HD-SDI Video Input (1080i60) (2)
- HD-SDI Video Loop-through(1080i60) (2)
- DVI/Analog RGB Input (1)
- VGA Input (2)
- VGA Loop-through

SPECIFICATIONS:

	AD-10	AD-12	AD-15
ASPECT RATIO	4:3	4:3	4:3
PIXEL MATRIX	1024 x 768 XGA	1024 x 768 XGA	1024 x 768 XGA
ACTIVE AREA	8.3 x 6.2	9.7 x 7.26	12.0 x 9.0
GRAY LEVELS	256	256	256
RESPONSE TIME	25ms	23ms	16ms
BRIGHTNESS	350 NITS	500 NITS	1000 NITS
CONTRAST*	1200*	700*	800*
VIEWING ANGLE U/D	80°/80°	80°/80°	65°/75°
VIEWING ANGLE L/R	80°/80°	80°/80°	70°/70°
MECHANICAL ENVELOPE	10.6 x 9.0 x 2.40	12.0 x 10.25 x 2.40	13.85 x 12.0 x 2.40
POWER INPUT	18VDC to 37VDC	18VDC to 37VDC	18VDC to 37VDC
POWER DRAW (@ 18VDC)	1.25A	1.25A	1.25A
POWER CONSUMPTION (Max)	22.5W	22.5W	22.5W
HD-SDI VIDEO INPUT	1080i60 (2)	1080i60 (2)	1080i60 (2)
HD-SDI VIDEO LOOP-THROUGH	2	2	2
COMPOSITE INPUT	NTSC/PAL (2)	NTSC/PAL (2)	NTSC/PAL (2)
COMPOSITE LOOP-THROUGH	2	2	2
DVI/ANALOG RGB	Up to 1920x1200	Up to 1920 x 1200	Up to 1920 x 1200
VGA LOOP-THROUGH	VGA and CAT5	VGA and CAT5	VGA and CAT5
EIA RS-170 / 343 SOG	575i / 875 i (1)	575i / 875 i (1)	575i / 875 i (1)
SPLIT SCREEN/PBP	Yes	Yes	Yes
OSD SETUP FUNCTIONS	Yes	Yes	Yes
DISPLAY CONTROL	Joystick OSD USB	Joystick OSD USB	Joystick OSD USB
TOUCH SCREEN OPTION	Resistive, RS-232/USB	Resistive, RS-232/USB	Resistive, RS-232/USB
NVG OPTION	MIL-STD-3009	MIL-STD-3009	MIL-STD-3009
OPERATING TEMPERATURE	-20°C to +71°C (-40°C w/heater)	-30°C to +71°C (-40°C w/heater)	-30°C to +71°C (-40°C w/heater)
WEIGHT	8.5 lb	10.0 lb	12.0 lb

** Native performance before filtering*

AeroComputers, Inc.
www.aerocomputers.com
2889 W. Fifth Street Suite 111
Oxnard, CA 93030
T: (805) 985-3390
F: (805) 984-8782