

Glass Bridge Monitors™ Integrated Bridge Solutions

- High Performance - HD & Widescreen 16:10
- Multifunctional - 11 Source Inputs
- Integrated Control - Supports Multiple Monitors
- Dual Voltage - Accepts AC & DC supply
- IMO Compliance - ABS, IEC: 60945, 61174 & 62388

Designers, integrators and captains will find AAdaptiv's Glass Bridge Monitors the solution to their seamless integration needs. Maritime certification for recreational and commercial vessels has been achieved without sacrificing pure glass design aesthetics and operational functionality.

Designed with both new-build and refit applications in mind, AAdaptiv's LCD panel sizes, including Widescreens, offer the flexibility of "mix and match" combinations with full control integration capability and space optimization.

AAdaptiv's Glass Bridge Monitors utilize a unique remote. These remotes provide individual control for Backlight Brightness, OSD Functionality and Signal Source for up to a maximum of seven Glass Bridge Monitors. Each Glass



Bridge Monitor is equipped with two dedicated ports enabling daisy-chain configurations between multiple Glass Bridge Monitors using standard and Ethernet cables.

Key features include Deep Dimming Backlight Brightness control down to less than 1 cd/m² (NIT) to meet ECDIS requirements. Our Glass Bridge Monitors are equipped with the facility to accept AC and/or DC power - enabling control system redundancy.

AAdaptiv's Glass Bridge Monitors are ABS Type Approved with additional certification of IEC 60945 (Marine Communications), IEC 62388 (Radar/AIS/ARPA) and IEC 61174 (ECDIS).

A Glass Bridge Monitor by AAdaptiv Technologies. It's a command decision for the digital world.

Glass Bridge Monitors™

Specifications	15" Monitor	19" Monitor	20" Wide Monitor	26" Wide Monitor
Order Model Part #	A7-1541-DV	A7-1951-DV	A7-2011-DV	A7-2611-DV
Display Size	15.0" Diagonal	19.0" Diagonal	20.1" Widescreen Diagonal	26.0" Widescreen Diagonal
Display Type	Active Matrix TFT LCD	Active Matrix TFT LCD	Active Matrix TFT LCD	Active Matrix TFT LCD
Backlight Brightness	550 cd/m ² (nits)	400 cd/m ² (nits)	300 cd/m ² (nits)	400 cd/m ² (nits)
Backlight Life	Approx 50,000 hrs.	Approx 50,000 hrs.	Approx 50,000 hrs.	Approx. 50,000 hrs.
Dimming Range	0 - 100%	0 - 100%	0 - 100%	0 - 100%
Native Resolution	1024 x 768 / XGA	1280 x 1024 / SXGA	1680 x 1050 / WSXGA	1920 x 1200 / WUXGA
Resolution Range	VGA up to UXGA	VGA up to UXGA	VGA up to WUXGA	VGA up to WUXGA
Input Sources	DVI-I, RGB, Composite, S-Video	DVI-I, RGB, Composite, S-Video	DVI-I, RGB, Composite, S-Video	DVI-I, RGB, Composite, S-Video
High Density Signal Interface¹	x1 RGB, x1 HD Component, x2 Composite, x2 S-Video + Custom i.e. Touch screen	x1 RGB, x1 HD Component, x2 Composite, x2 S-Video + Custom i.e. Touch screen	x1 RGB, x1 HD Component, x2 Composite, x2 S-Video + Custom i.e. Touch screen	x1 RGB, x1 HD Component, x2 Composite, x2 S-Video + Custom i.e. Touch screen
Supply Input Voltage (Dual)	90~264VAC 50/60Hz or 24VDC	90~264VAC 50/60Hz or 24VDC	90~264VAC 50/60Hz or 24VDC	90~264VAC 50/60Hz or 24VDC
Power Consumption	45 W	70 W	100 W	180 W
Operating Temperature	0 ~ +55°C / 32 ~ +131° F	0 ~ +55°C / 32 ~ +131° F	0 ~ +55°C / 32 ~ +131° F	0 ~ +55°C / 32 ~ +131° F
Construction	Front Bezel - Bonded Glass Rear - Brushed Aluminium	Front Bezel - Bonded Glass Rear Housing - Aluminium	Front Bezel - Bonded Glass Rear Housing - Aluminium	Front Bezel - Bonded Glass Rear Housing - Aluminium
Protective Safety Glass	Bonded & Optically Enhanced	Bonded & Optically Enhanced	Bonded & Optically Enhanced	Bonded & Optically Enhanced
Front Bezel Sealing	Front Bezel IP 67	Front Bezel IP 67	Front Bezel IP 67	Front Bezel IP 67
Mounting Style	Flush & VESA 100mm	Flush & VESA 100mm	Flush & VESA 100mm	Flush & VESA 100mm
Panel Cut-out Size (inches)	13.85" W x 10.98" H	16.53" W x 13.70" H	19.13" W x 12.67" H	23.93" W x 17.78" H
Panel Cut-out Size (mm)	352 W x 279 H	420 W x 348 H	486 W x 322 H	608 W x 401 H
Exterior Dimensions (inches)	14.29" W x 11.49" H x 3.05" D	17.05" W x 14.21" H x 3.18" D	19.56" W x 13.07" H x 3.42" D	24.37" W x 16.22" H x 3.74" D
Exterior Dimensions (mm)	362.9 W x 291.9 H x 77 D	433 W x 361 H x 80.7 D	496.7 W x 332.1 H x 86.9 D	618.9 W x 411.9 H x 95.1 D
Communications	RS232/485 Serial Interface	RS232/485 Serial Interface	RS232/485 Serial Interface	RS232/485 Serial Interface
User Controls²	GB Remote Control Module	GB Remote Control Module	GB Remote Control Module	GB Remote Control Module
Factory Option³	Capacitive Touch screen	Capacitive Touch screen	Capacitive Touch screen	Capacitive Touch screen
Marine Certification⁴	ABS, IEC: 60945, 61174, 62388	ABS, IEC: 60945, 61174, 62388	ABS, IEC: 60945, 61174, 62388	ABS, IEC: 60945, 61174, 62388
Limited Warranty	2 Year	2 Year	2 Year	2 Year

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Notes:

- 1) High Density Signal Interface: HD Connector (78way) supports additional signal source inputs and custom signals i.e. Digital I/O, RS-232, RS-485 & Buzzer.
- 2) User Controls: GB Remote Control Module designed to provide individual control for Backlight brightness, OSD, Signal source up to a max.of x7 Glass Bridge Monitors via CAT5 cable.
- 3) Factory Option: Capacitive Touch screen versions scheduled for release Q3 '09 - subject to confirmation.
- 4) Marine Certification: Monitors are 'Designed to Comply'. Full independent certification scheduled for Q3 '09 - subject to confirmation.

*Specification subject to change without notice
Revision 2 - Aug 2009

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A Command Decision