

Technical Data Sheet

Product Part Number: A7-1542D-DV
Last Revision: 20th October 2010
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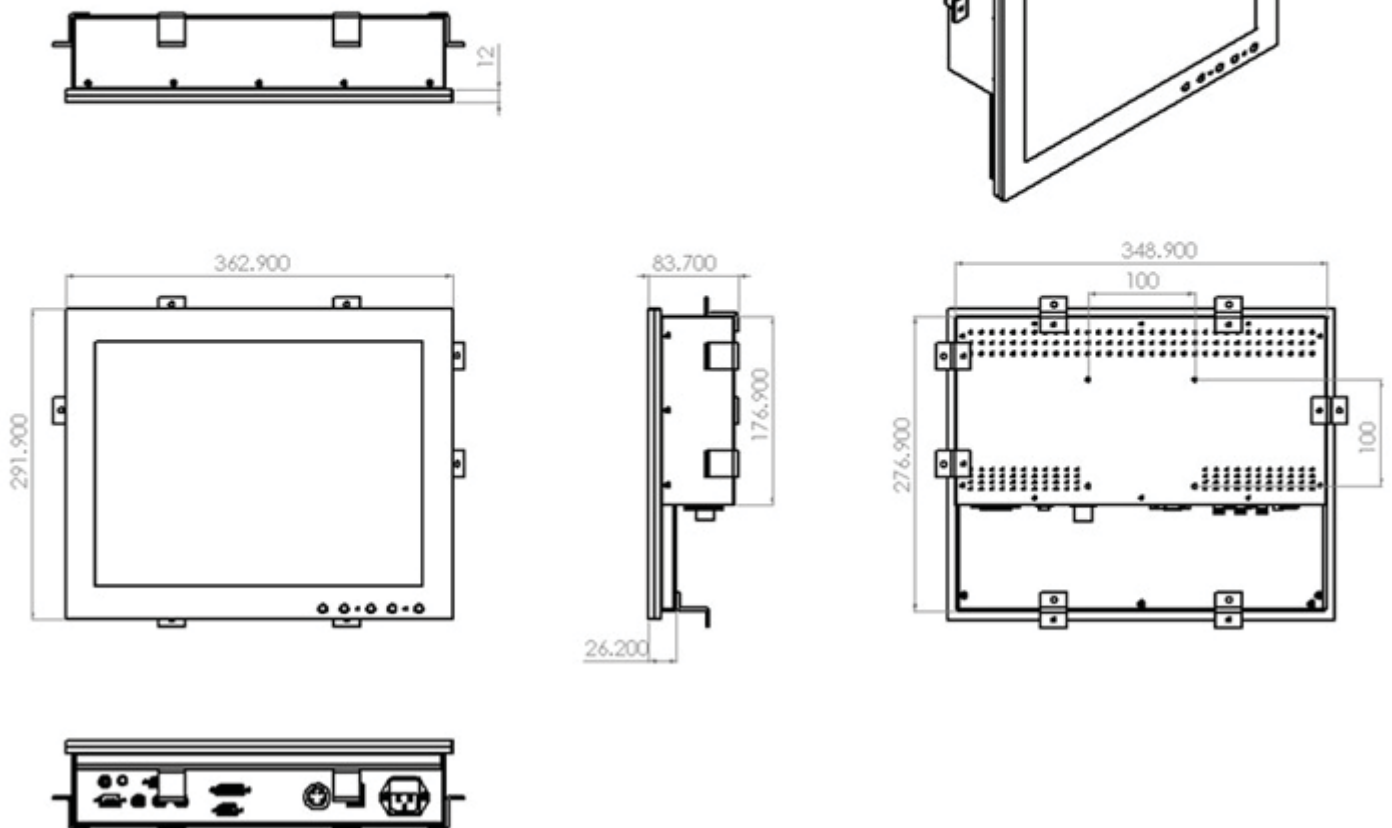


15in Glass Bridge LED Monitor

for Daylight Applications...

AAdaptiv's DAYLIGHT viewable 'Edge 2 Edge' Glass Bridge Monitor incorporates the latest LED Backlight technology to meet ambient light conditions typically found in Bridge applications. This provides increased performance, higher reliability and longer life.

Features include - Dual AC/DC power supply input. Touch sensitive controls built into the 6mm thick laminated glass front bezel providing local operator control for: Power, Deep dimming backlight brightness, OSD Menu functionality and Signal source.



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General Specifications



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DISPLAY CHARACTERISTICS		CONSTRUCTION	
Size / Type :	15.0" Active Matrix TFT	Glass Front Bezel:	'Edge 2 Edge' Glass bonded to anodised aluminium machined sub-assembly
Native Resolution:	1024 x 768 Pixels	Rear Housing:	Fabricated sheet aluminium - chemically treated Alocrom 1200
Aspect Ratio:	4:3	Protective Safety Glass:	6mm Laminated, AR coated & Optically Bonded directly to LCD Display Panel
Pixel Pitch:	0.297 (H) x 0.297 (W) mm	Ventilation:	Convection
Active Display Area:	304.128 (W) x 228.096 (H) mm	Weight (lbs):	5.5kg (12.1) approx. - Monitor ONLY
Response Time:	8 msec - Typical	Surface Mount Height (inch):	Height from surface 13mm (0.511") complete with neoprene gasket. Rear Fixing Bracket locations permit multiple monitors to be installed in close proximity
Contrast Ratio:	700:1 - Typical	Console/Panel Cut-out Size:	351.9mm (13.854") W x 279.9mm (11.019")
Brightness / Light Intensity:	750cd/m ² - Typical	Dimensions (inch):	362.9mm (14.287") W x 291.9mm (11.492") H x 84mm (3.307") D
Viewing Angles (at CR≥10):	80° - Typical (Left/Right/Up/Down)		
Backlight Type:	LED (Light Emitting Diode)		
Backlight Dimming Range:	0 to 100% (Deep Dimming)		
Backlight Life Time:	50,000 Hrs		
Colour Depth:	16.7 Million - Depending on Graphics Card		
DVI-A GRAPHIC DATA INPUT (x2)		CONNECTIONS (x9 Source Inputs)	
Resolution:	VGA (640 x 480) up to UXGA (1600 x 1200)	x2 DVI-I (Digital & RGB) signals:	29p DVI (Female) - or RGB IN with 'Y' Cable Adapter
Pixel Frequency:	Up to 165MHz	x3 Composite Video BNC signals:	BNC (Female)
Analog:	Nominal 0.7 V p-p (Max. 2.0V p-p)	Composite Video RCA signal:	RCA (Female)
Input Impedance:	75 Ω	S-Video signal:	S-Video (Socket)
Horizontal Frequency:	15kHz to 100kHz	RS232 Interface:	9p D-Sub (Female)
Vertical Frequency:	30Hz to 100Hz for SXGA	RS422/485 Interface:	9p D-Sub (Female) - accessed via custom 'Y' Cable Adapter
Sync on Green:	-2.0V to +5.0V	Touchscreen Interface:	USB Type A - Provisional (Knock-out)
Separate H-Sync and V-Sync:	0.0V to +5.0V	AC Power Input:	IEC Inlet (Fused)
		DC Power Input:	4p Circular (Male) - Binder 680 series
DVI-D GRAPHIC DATA INPUT (x2)		USER CONTROLS / INDICATION / SENSORS	
Resolution:	VGA (640 x 480) up to UXGA (1600 x 1200)	Glass Front Bezel:	Touch Sensitive LED Backlit Buttons x5 for: Power,Up, Down, Menu, Signal/Select Indicator: Power GREEN (RED / Standby Mode) other button symbols (x4) BLUE Sensors for: Infrared Remote Control & Automatic Ambient Light Control
Pixel Frequency:	25 to 165MHz (30Hz to 65Hz for UXGA)	Rear Housing:	Power ON/OFF Switch (AC power source isolation ONLY)
Vin low max:	0.8V		
Vin high min:	2.0V		
HDCP:	Ready -requires external Licence		
COMPOSITE VIDEO DATA INPUT (x4)		ENVIRONMENTAL	
Input Source:	NTSC/PAL/SECAM + All Sub Standards	Operating Temperature / Humidity:	-15°C to +65°C (5°F to 149°F) / 30 to 95% N.C.
		Storage Temperature / Humidity:	-20°C to +65°C (-4°F to 149°F) / 10 to 95% N.C.
		Compass Safe Distance:	TBD
		IP Rating:	Front Sealed to IP67 / NEMA 6 (Applies to console mounted monitors)
S-VIDEO DATA INPUT		APPROVALS / SHIPPING / WARRANTY	
Specification:	Y input 1Vpp, C input 0.286Vpp, 75Ω 1Vpp, 75Ω	Maritime Certification (pending):	IACS E10, IEC 60945, IEC 61174 (ECDIS), IEC 62388 (Radar), ABS, DNV, LRS & RINA
		Carton Size (inch) & Weight (lbs):	TBD mm (TBD) & 8kg (17.6) approx.
		Warranty Period / Type:	2 Years / RTB (Return to Base)
INPUT VOLTAGE (Dual Source AC and/or DC)		NOTES	
AC Input:	90 to 264V 50/60 Hz	Touchscreen Factory Option:	On Request - IEC 60945 Compliance TBC. Contact sales office for clarification.
DC Input:	12 to 24V DC	Accurate Dimensions:	Go to www.aadaptiv.com and download relevant 3D Model / .DWG drawing
Power Source/Switching:	With both AC & DC connected - AC Input sourced	EDID Support:	Programmable memory onboard pre-programmed with universal EDID info...
Power Consumption:	TBD < 45 watts		
		* Due to a policy of continuous product development Aadaptiv Technologies Limited reserves the right to change specifications and descriptions without prior notification.	

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