

Technical Data Sheet

Product Part Number: A7-1542S-DV
Last Revision: 1st February 2011
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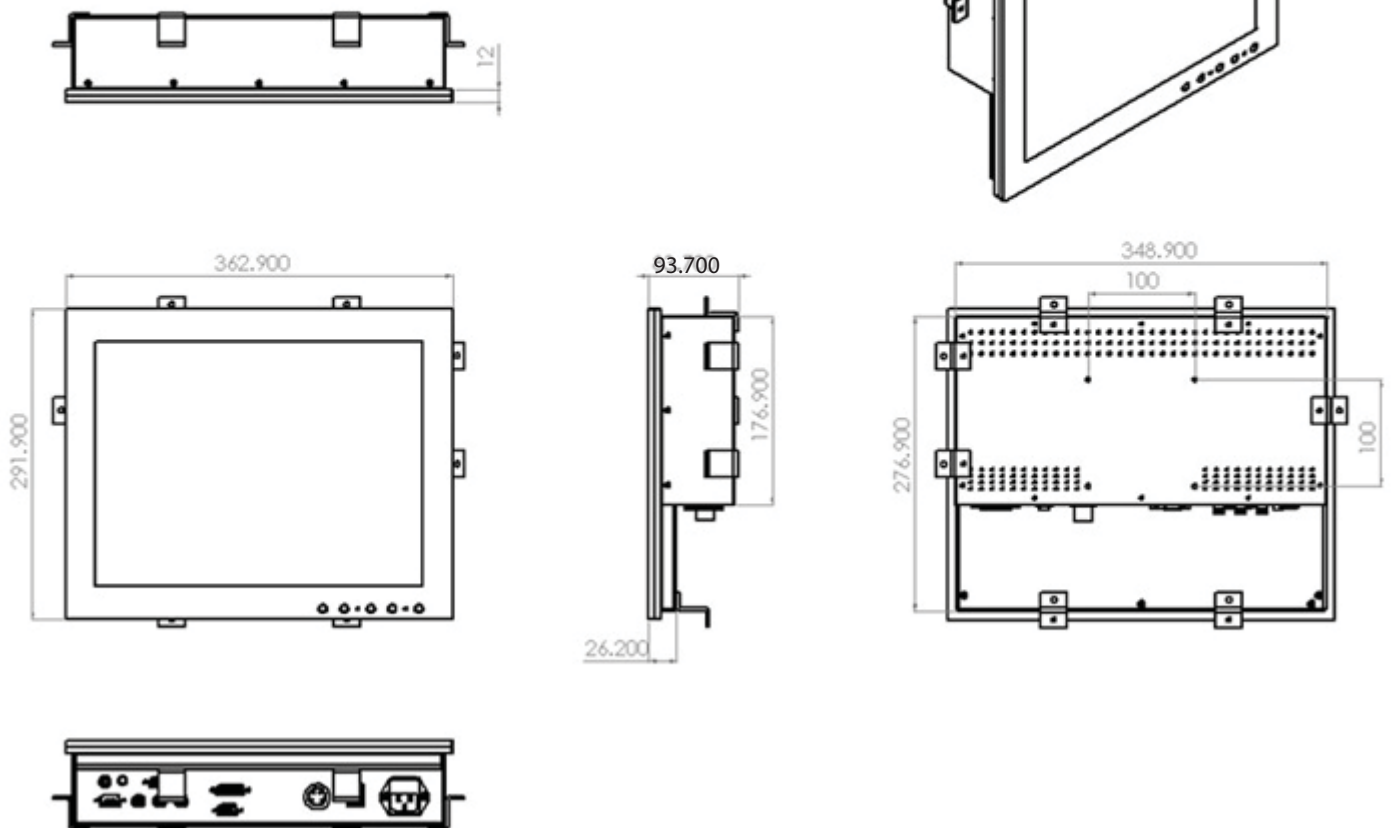


15in Glass Bridge LED Monitor

for Sunlight Applications...

AAdaptiv's SUNLIGHT viewable 'Edge 2 Edge' Glass Bridge Monitor incorporates the latest LED Backlight technology to meet high 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



Product Part Number: **A7-15425-DV**

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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 & Powder Coated RAL 9005
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:	1600cd/m ² - Typical	Dimensions (inch):	362.9mm (14.287") W x 291.9mm (11.492") H x 93.7mm (3.688") D
Viewing Angles (at CR≥10):	80° - Typical (Left/Right/Up/Down)	CONNECTIONS (x9 Source Inputs)	
Backlight Type:	LED (Light Emitting Diode)	x2 DVI-I (Digital & RGB) signals:	29p DVI (Female) - or RGB IN with 'Y' Cable Adapter
Backlight Dimming Range:	0 to 100% (Deep Dimming)	x3 Composite Video BNC signals:	BNC (Female)
Backlight Life Time:	50,000 Hrs	Composite Video RCA signal:	RCA (Female)
Colour Depth:	16.7 Million - Depending on Graphics Card	S-Video signal:	S-Video (Socket)
DVI-A GRAPHIC DATA INPUT (x2)		RS232 Interface:	9p D-Sub (Female)
Resolution:	VGA (640 x 480) up to UXGA (1600 x 1200)	RS422/485 Interface:	9p D-Sub (Female) - accessed via custom 'Y' Cable Adapter
Pixel Frequency:	Up to 165MHz	Touchscreen Interface:	USB Type A - Provisional (Knock-out)
Analog:	Nominal 0.7 V p-p (Max. 2.0V p-p)	AC Power Input:	IEC Inlet (Fused)
Input Impedance:	75 Ω	DC Power Input:	4p Circular (Male) - Binder 680 series
Horizontal Frequency:	15kHz to 100kHz	USER CONTROLS / INDICATION / SENSORS	
Vertical Frequency:	30Hz to 100Hz for SXGA	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
Sync on Green:	-2.0V to +5.0V	Rear Housing:	Power ON/OFF Switch (AC power source isolation ONLY)
Separate H-Sync and V-Sync:	0.0V to +5.0V	ENVIRONMENTAL	
DVI-D GRAPHIC DATA INPUT (x2)		Operating Temperature / Humidity:	-15°C to +65°C (5°F to 149°F) / 30 to 95% N.C.
Resolution:	VGA (640 x 480) up to UXGA (1600 x 1200)	Storage Temperature / Humidity:	-20°C to +65°C (-4°F to 149°F) / 10 to 95% N.C.
Pixel Frequency:	25 to 165MHz (30Hz to 65Hz for UXGA)	Compass Safe Distance:	TBD
Vin low max:	0.8V	IP Rating:	Front Sealed to IP67 / NEMA 6 (Applies to console mounted monitors)
Vin high min:	2.0V	APPROVALS / SHIPPING / WARRANTY	
HDCP:	Ready -requires external Licence	Maritime Certification (pending):	IACS E10, IEC 60945, IEC 61174 (ECDIS), IEC 62388 (Radar), ABS, DNV, LR & RINA
COMPOSITE VIDEO DATA INPUT (x4)		Carton Size (inch) & Weight (lbs):	TBD mm (TBD) & 8kg (17.6) approx.
Input Source:	NTSC/PAL/SECAM + All Sub Standards	Warranty Period / Type:	2 Years / RTB (Return to Base)
S-VIDEO DATA INPUT		NOTES	
Specification:	Y input 1Vpp, C input 0.286Vpp, 75Ω 1Vpp, 75Ω	Touchscreen Factory Option:	On Request - IEC 60945 Compliance TBC. Contact sales office for clarification.
INPUT VOLTAGE (Dual Source AC and/or DC)		Accurate Dimensions:	Go to www.aadaptiv.com and download relevant 3D Model / .DWG drawing
AC Input:	90 to 264V 50/60 Hz	EDID Support:	Programmable memory onboard pre-programmed with universal EDID info...
DC Input:	9 to 36V DC	* Due to a policy of continuous product development Aadaptiv Technologies Limited reserves the right to change specifications and descriptions without prior notification.	
Power Source/Switching:	With both AC & DC connected - AC Input sourced		
Power Consumption:	TBD < 50 watts		