



- **21.3" TFT LCD LED Backlight**
- **Resolution UXGA (2048x1536)**
- **+2V X/Y scan inputs and 0-1V Video input**
- **Graticule and Bearing markers available**
- **Scalable and movable radar region**
- **Rugged Machined Aluminium casing**
- **Black Front Bessel for front mounting applications**
- **IP65 environmentally sealed**

The AV7070-213-RD1 is an ultra-high resolution radar scan convertor display allowing traditional X/Y radar hardware to interface with a modern high resolution LCD screen. Hardware pixel persistence emulation means the characteristics of traditional radar techniques are the same but enhanced with modern display technology.

On screen graphical capability with our ComLink interface allows graticule and bearing information to be superimposed over the converted radar image.

Position and size of the radar image can be changed as well as the colour and persistence levels.

Directives

2004/108/EC

2011/65/EU

Standards

BS EN 55022:2006+A2:2010 (CISPR 22:2005, Class B)

BS EN 55024:1998+A2:2003

Technical Specifications

Display	
Panel Size	21.3" diagonal
Resolution	2048x1536 pixels
Brightness	900cd/m ² (max)
Contrast Ratio	1400:1
Response	35ms (Typical, Rising + Falling)
Viewing Angle	Horizontal ± 80° and Vertical ± 80° with CR = 10
Colours	16.7M colours, 262K
Backlight Technology	LED
Surface Treatment	Anti-glare, Hardness 3H
Video Inputs	
Analogue	+2V X/Y scan inputs 0-1V Radar Video input
Optional Inputs / Outputs	
Bearing POT	Digital Potentiometer interface
Heading POT	Digital Potentiometer interface
Command Link	RS232 via MIL-DTL 38999
Connectors	
	MIL-DTL 38999 (62GB-12E16-26PN)
Mechanical	
Weight (Approx.)	10Kg
Dimensions	500mm x 400mm x 70mm
Bessel Finish	DEF STAN 80-161 Matt Black
Fixings	14 x Captive Sprung Fasteners
Environmental	
Humidity	95% RH @ +40°C
Protection Rating	IP65 / NEMA 4
Temperature	Operating Temperature: 0°C to +60°C Storage Temperature: -30°C to +85°C Cooling: No Moving Parts. Passive
Power	
	Input Voltage: 5V and 12V Power Consumption: 12W (5V @ 2.5A; 12V @ 1.5A)
Warranty	
	1 Year (extendable to 3 and 5 years)

Note:

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