

8.4" IN-CAR TOUCHSCREEN LCD HEAD MOUNT DISPLAY ICD-812

DATASHEET

MDT (MOBILE DATA TERMINAL) **SUNLIGHT READABLE IN-CAR LCD TOUCHSCREEN HEAD DISPLAY**

KME has developed this display module for use in vehicles, where a high quality rugged touch screen display is required to interface with a PC or Laptop. Specifically tailored for use in direct sunlight and night time conditions, this display offers great performance and versatility in both extremes.

The ICD-812 has provisions for multiple attachments like switch panels and card readers. One of the key properties of the design is that it is both backwards and forwards compatible with old and new vehicles making the application of this display suitable for retro-fit and new builds.

KEY FEATURES

- > **Touch screen facility**
Our resistive touch screen and TFT utilise Anti-Reflective enhancements and polarizing filters to produce a high quality solution for in vehicles in direct sunlight.
- > **Deep Dimming**
Our solution provides an analogue control of the back light brightness from 0-100% via a POT on the front face. This enables the user to quickly and easily control the brightness level of the display for a variety of ambient light conditions.
- > **Inputs**
VGA (HD-15) This particular version has a native resolution of SVGA (800x600). The unit has fly-leads on the rear face for connecting to PC's or laptop docks.
- > **Approvals and accessories**
The ICD-812 is fully approved and tested to SPEC 5 by the NPfIA. The unit is CE marked, (certificates available on request). Each display comes with the mating half locking power connector. There are also a range of universal brackets and vehicle-specific kits to mount the displays.



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Electrical Description		Mechanical Description	
TFT Characteristics:	Type:	a-si TFT active matrix	Dimensions: 220.9 x 157.0 x 36.5mm
	Native Resolution:	800 x 600 pixels	Weight: 2kg (approx)
	Active Display Area:	170.4 x 127.8 mm	Housing: Painted aluminium
	Response Time:	30ms	Other Information:
Contrast Ratio:	600:1 typical	Front Controls: Rotary power switch with full Deep dimming 0-100%	
Brightness:	850cd/m ²	User Controls: Rear mounted OSD	Touchscreen: Resistive Polarized Anti-Reflective filtered touchscreen via USB
Viewing Angles (at CR>10):	80 ° R / 80 ° L / 80 ° Up / 60 ° down	Signal Input: VGA (HD-15)	
MTBF:	50,000 hours (based on time till backlight brightness is reduced by half)		
No. Colours:	16.7 Million		
Video Signal:	Analog 0.7Vp-p		
Signal Sync:	Separate H&V (+/-ve) TTL Sync-on-Green -0.3Vp-p		
Synchronisation Range:	Horizontal scan:	30kHz - 80kHz	
	Vertical scan:	50 to 65Hz	
Display modes:	VESA Support:	800 X 600 SVGA (recommended) 1024 x 768 XGA	
Power Supply:	12v DC (9v-15v approx)		
Power Consumption:	15W (Max)		Part Numbers:
Environmental:	Storage Temp:	-20 to 80°C	Model number: ICD-812
	Operating Temp:	-10 to 60°C	ICD-822 (extra input -composite video, PAL/NTSC. includes a source select switch on front face)

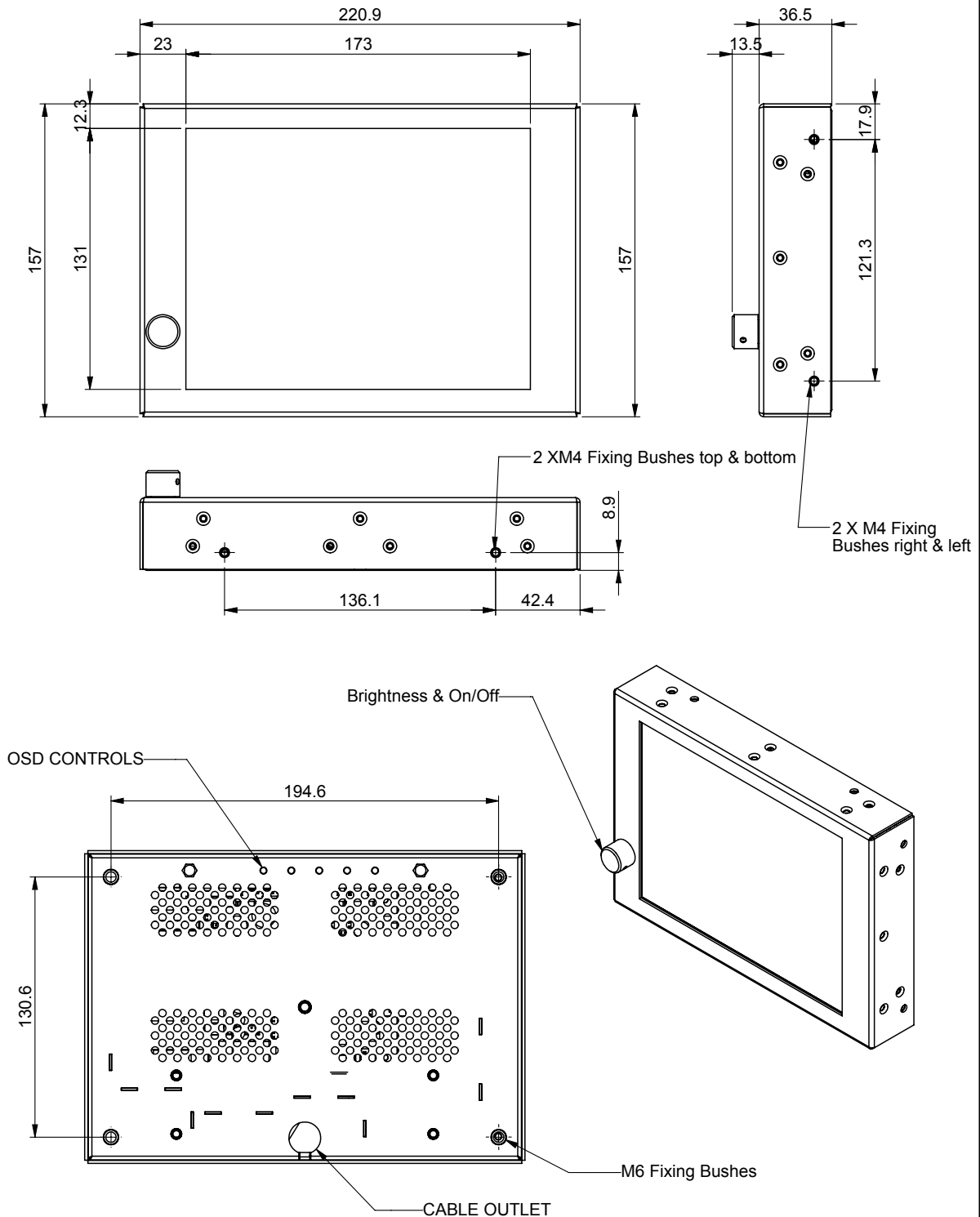
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