

Introduction

MF700 7 inches rugged industrial monitor designed by Inelmatic Electronics, brings the possibility of outdoor usage by its metal chassis for harsh environment design and direct sunlight readability enhancements.

The MF700 includes a high featured controller with automatic and manual backlight adjustment, depending of the ambient light, which makes it suitable for applications from the darkest night (NVIS) to the bright sun light.

Besides, the MF700 optionally includes a resistive touch panel with USB/RS232 controller, adding interactivity for low budget projects. MF700 also includes a rugged PCT (Projected Capacitive Multi-touch) touch screen as option which is not only with higher light transmission but thicker glass, anti-vandal, and no recalibration is required. Industries such as Medical Equipment and Industrial Instrument are looking toward a product with no fragile to scratches and cleaning, or required continued calibration due to drift, were not transparent enough, and in some instances did not work with a gloved hand.

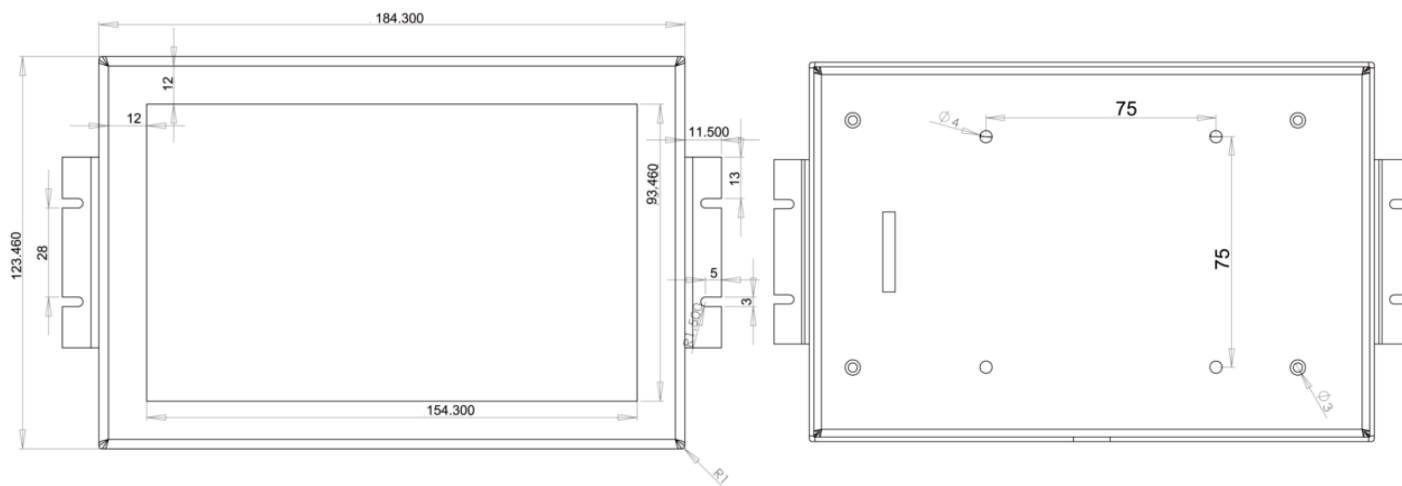
The MF700 is available with VGA and Audio input as standard, optional DVI, Composite Video and S-Video inputs. All inputs are available as factory option on the rear panel. Optionally it includes "all-in-one cable", with a lockable connector(SCSI) or DSUB connector for an easy and quick installation.



Main features

- * High brightness ultra-low power LED backlight.
- * Sunlight readable.
- * 10 steps backlight dimmer and autodimmer.
- * Autopower on/off by VGA signal.
- * True 800x480px input mode.
- * One composite video input with autopower/autoswitch.
- * All in one cable with IP67 connectors, 2.5m and 4.5m Length optional.
- * Power 6-36V,meets automotive car/truck requirements.
- * Ultra low power consumption.
- * Wide temperature range.
- * Shock/Vibration proof.
- * Metal fouding chassis.
- * VESA 75mm mounting holes and stand alone mount accesories.
- * PCT (Projected Capacitive Multi-touchtouch) optional.
- * Customization available for small qty.

Drawing



Specifications

Size	7 Inches
Aspect	16:9
Inputs	VGA/DVI/HDMI, 2 x Composite Video (3 x Composite Video optional)
Audio	No Audio
Touch Panel	Resistive 4 wires USB/RS232, Endurance>2M touch. PCT multi-Touch optional.
Power supply	7-36VDC automotive car/truck suitable.
Power consumption	Normal 6W, HB 8W
Mounting	Stand alone and headrest accesories optional.
Warranty	12 months international, 24 months Europe.
Certification	CE*, e-mark*, EN50155*, CCC* * Upon Request

Mechanical and environmental specs

Dimensions	184.3 x 123.46 x 30 mm
Weight	900gr
Enclosure	Metal folding.
Operation temperature	-35°C to 85°C max (-20°C to 60°C continuous)
Storage temperature	-40°C to 85°C
Vibrations	1G 2-500Hz
Shock	20G 11ms
Drop	10cm max
Mounting	VESA 75mm mounting holes, Stand alone and headrest accesories.

Optical specifications

Brightness	600nits
Contrast	500:1
Colors	256K
Native resolution	800x480px
Outdoor readability	Meets MIL-STD-3009 (sunlight readable version MF700HB-US/RS/UPS)
NVIS	Optional NVIS B compliant

ORDER INFORMATION

Code and Options: MF700HB-X Y V A C

High Brightness	:	:	:	:	
X - Touch Screen Option		:	:	:	:	C - Cable Option
Resistive touch		:	:	:	:	2.5: 2.5 meters
U: USB		:	:	:	:	4.5: 4.5 meters
R: RS232	:	:	:	:	C: Custom Cable
PCT touch		:	:	:	:	A - Audio Option
UP: PCT touch		:	:	:	:	N:W/O Audio
PM: Multi-touch PCT		:	:	:	:	A: Stereo Audio
N: Non-touch		:	:	:	:	V - Video Option
Y - Usage Option	:	:	:	:	V: Video Input
N: Normal		:	:	:	:	N: W/O Video
D: Day Light readable		:	:	:	:	D: DVI Input
S: Sun Light readable		:	:	:	:	

Example: MF700HB-USVN2.5 7" 800x480px, Resistive Touch Panel, Sunlight readable, 600nits, 2xVideo with 2.5m all in one cable.