Introduction

XF700 series by Inelmatic Electronics, brings the possibility of minimize the needed space for any computer appplication which demands a display. It's the perfect the Human Machine Interface (HMI) for restricted space and harsh environments, like personal vehicles, public transportation vehicles and any other situation where the dimensions and image quality is important, even under strong ambient light or direct sunlight.

It includes a video scaler chipset supporting standard VESA from 640 x 480px upto 1920x1440px including the native resolution 800x480px for a perfect pixel-match on the most demanding image accuracy.

-XF700HB-US Under Sunlight -

The Optional touch panel with USB or RS232 inteface adds an efficient human interface which brings full interactivity and high reliability.

In addiction, the XF700 includes the latest generation of LED backlight with passive enhancement, to achieve a high brightness keeping the lowest power consumption. Besides, the manual and automatic dimmer bring the possiblity of match the brightness to the ambient light, it makes the display able to work from darkest conditions without disturb the driver's visibility, upto high brightness for the strongest light environments.
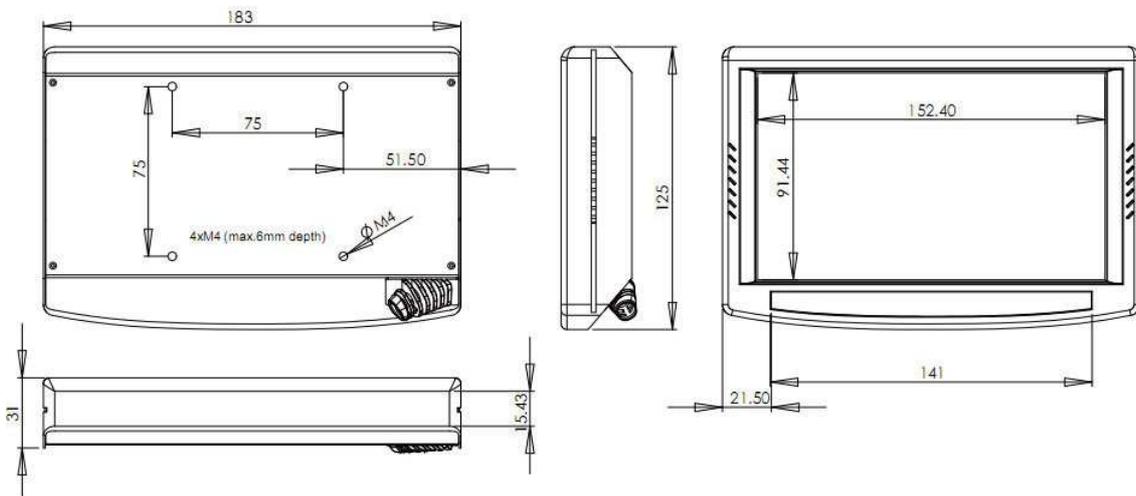
Main features

* High brightness ultra-low power LED backlight.
* Sun-readable.
* 4 Steps backlight dimmer and autodimmer, user programmable.
*Autopower on/off by VGA signal.
*True 800x480px input mode.
*Two composite video inputs.
*One composite video input with autopower / autoswitch.
*All in one cable, 2.5m and 4.5m length options.
*Power 7-36V, meets automotive car/truck requirements.

* Ultra low power consumption.
* Wide temperature range.
* Shock/Vibration proof.
* Aluminium chassis.
* VESA 75mm mounting holes and stand alone mount accesories.
* Customization available for small qty.

Drawing

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Specifications

Size	7 inches
Aspect	16:9
Inputs	VGA / DVI / HDMI, 3 x Composite Video
Audio	2 x 1W
Touch Panel	Resistive 4 wires USB/RS232. Endurance >2M touch.
Power supply	7-36VDC automotive car/truck suitable.
Power consumption	6W
Mounting	Stand alone and headrest accesories.
Warranty	12 months international, 24 months Europe.
Certification	CE*, e-mark*, EN50155* * upon request

Mechanical and environmental specs

Dimensions	183x125x31mm
Weight	600gr
Enclosure	Aluminium chasis/rear. PVC-ABS front.
Operation temperature.	-35ºC to 85ºC max (-20ºC to 60ºC continuous)
Storage temperature.	-35ºC a 85ºC
Vibrations	1G 2-500Hz
Shock	20G 11ms
Drop	10cm max.
Mounting	VESA 75mm mounting holes, Stand alone and headrest accesories.

Optical specifications

Brightness	600 / 1000 nits , Backlight Lifetime: 30.000 / 50.000h
Contrast	500:1
Angle	140º H, 110º V
Native resolution	800x480px
Outdoor readability	Meets **MIL-STD-3009** (sunlight readable version XF700HB-US/RS)
NVIS	Optional NVIS B compliant

ORDER INFORMATION

Code and Options: XF700HB-X Y V A C - NB

NB: non bonded option for sun-light/daylight readable versions

HB: High Brightness 600nits
Empty: 400nits

X - Touch Screen Option
 U : USB
 R : RS232
 N : W/O Touch Panel

Y - Usage Option
 N : Normal
 D : Day Light Readable
 S : Sun Light Readable

C - Cable Option
 2.5 : 2.5 meters
 4.5 : 4.5 meters
 C : Custom Cable

A - Audio Option
 N : W/O Audio
 A : Stereo Audio

V - Video Option
 V : Video Input
 N : W/O Video

Example: XF700HB-USVA2.5   USB Touch Panel, Sunlight readable ,Video, Stereo Audio with 2.5 meters lenght cable.