



High Brightness LCD Screen

CE RoHS 

XF700 
TFT Sun readable Monitor

Description
Specification
Key Market
Key Benefits



Description:

XF700 series by Inelmatic Electronics, brings the possibility of minimize the needed for any computer application 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 sun light.

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

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

In addition, the XF700 includes the last generation of LED backlight with passive enhancement, to achieve a high brightness (>600 nits) keeping the lowest power consumption. Besides, the manual dimmer bring the possibility 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 available.
- 5 Steps backlight dimmer.
- Autopower on/off by VGA signal.
- Native resolution 800x480px input mode.
- One composite video input.
- One composite video input with mirror option.
- All in one cable, 2.5 and 4.5m length options.
- Power 6-30V, meets automotive car/truck requirements, including noise/spikes filters.
- Ultra low power consumption.
- Wide temperature range.
- Shock/Vibration proof.
- Aluminium chassis and rear side.
- Headrest and stand alone mount accesories.
- Customization available for small qty.



Specification

Size	7 inches
Aspect	16:9
Colors	256K
Native resolution	800x480px
VGA modes	640x480 to 1920x1440px (incl. 800x480px)
Contrast	500:1 Brightness: >600nits
Inputs	VGA, 2 x Composite Video
Audio	2 x 1W
Touch Panel	Resistive 4 wires. Endurance >2M touch.
Power supply	6-32VDC automotive car/truck suitable.
Power consumption	6W.
Dimensions	183x125x31mm
Weight	1kg
Enclosure	Aluminium chasis/rear. PVC-ABS front.
Operation temperature.	-30°C to 85°C max (-20°C to 70°C continuous)
Storage temperature.	-30°C a 85°C
Vibrations	1G 2-500Hz
Shock	20G 11ms
Drop	10cm max.
Mounting	Stand alone and headrest accesories.
Warranty	12 months international, 24 months Europe.
Certification	CE, e-mark*

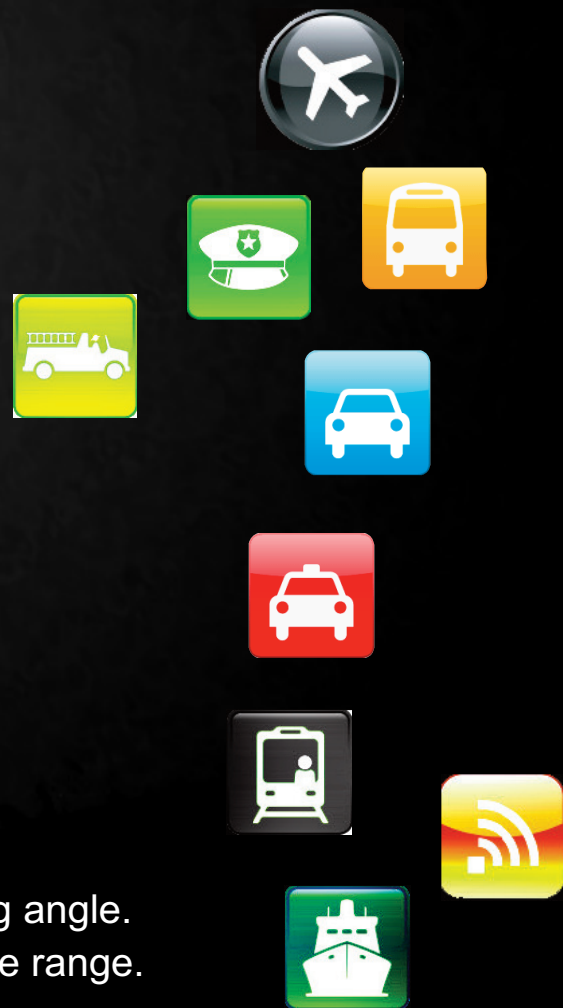
Contrast under high light

	XF700	XF700HB	XF700HB-UD	XF700HB-US
Brightness (nits)	400	600	600	600
Reflection	15-20%	15-20%	2%	0,9%
Angle (°V/H)	130/150	130/150	130/150	140/170
Real contrast indoor light 1K ftC	1,3:1	3,9:1	26,6:1	57,67:1
Real contrast direct sunlight 10K ftC	1,2:1	1,3:1	3,55:1	6,67:1

XF700HB-US meets military regulations for display viewability under sunlight

Key Market

- * Transportation/automotive
- * Cars, busses, trucks.
- * Marine.
- * Trains.
- * Aircraft.
- * Industrial Automation.



Key Benefits

- * High quality image with wide viewing angle.
- * -20 °C to +70 °C operating temperature range.
- * Sunlight readable.
- * Real backlight dimmer.
- * Long lifetime LED backlight.
- * IP65
- * Designed for continuous vibration environments.
- * Wide input voltage range with transient protection.
- * Standard VESA mount.