HD display with touch interface

Preliminary Datasheet

Features

- Size 15.0”
- Format 16:9
- IP67
- Ruggedize monitor
- High resolution

Description

The display is an integrated unit, based on a high-resolution display. The monitor is 15.1” in format 16:9. The unit is design to meet the ruff environment experienced in the military. The unit is specified to be integrated with the Citadel local awareness system.

It is designed to deliver high-performance images, even under the harshest conditions, in temperatures ranging from -30°C to +70°C.

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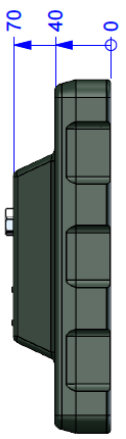
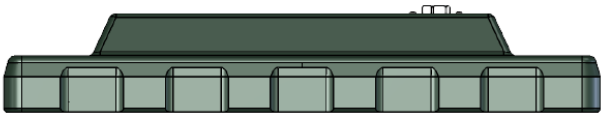
Mechanical outline and dimensions

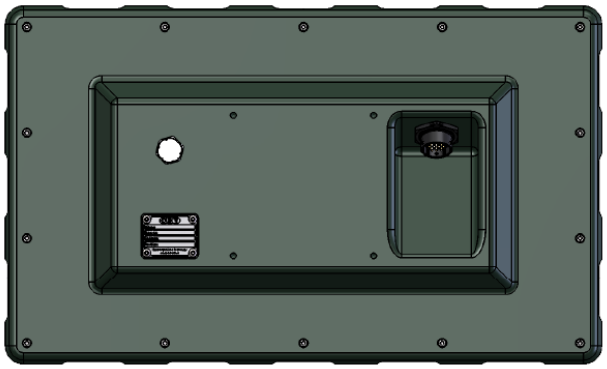
Front view



Side view



Top view



Rear view

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Specifications

Display System	
Type	TFT
Resolution	TBC
Image format	16:9
Viewable area	15.0”
Frame rate at nominal resolution	50 FPS
Brightness up to	1000 cd/sqm
Functions	
Operation control	Touch / mechanical keys
Touch key interface	Resistive
Mechanical key	12 pcs
Configuration, serial interface	RS-422 interface (galvanic separation), VISCA/CST protocol (optional CAN-BUS interface with CST protocol)
Mechanical	
Overall dimensions (W x H x L) [mm]	TBC: 426x256x70
Net weight	TBC: 6 kg
Housing material	Aluminium with corrosion protection coating
Protective housing integrity	IP 67
Connector (PWR, control, video)	Round connector in accordance with MIL 38999
Mount	VESA 100x100
Environmental	
Operating voltage	18 to 36VDC (power supply ground isolated from camera housing)
Power consumption	< 30W
Operating temperature	-30°C to +70°C
Storage temperature	-40°C to +70°C
Vibration	Wheeled vehicle MIL-STD 810G , method 514.6, 3.05 grms
MTBF	20 000 hours (MIL-HDBK-217-F)

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About Us

CST - Copenhagen Sensor Technology A/S is a privately held Danish company specialising in the design and manufacture of high-performance electro-optical solutions for demanding battlefield and surveillance applications.

Founded in 2001, CST has rapidly grown to a mature organisation, capable of serving a global customer base. In modern facilities on the outskirts of Copenhagen, Denmark, CST houses R&D, production, QA and sales and marketing functions. With a collective experience in C-MOS camera, optics, electronics and software development, the highly skilled staff at CST is committed to creating rugged, durable and innovative electro-optical solutions.

CST is certified to ISO 9001:2008, which applies to the whole process flow of design, development, manufacturing and testing. Furthermore, ISO 10007:2003 configuration management standards are used as a guideline for design and development activities. CST products are not restricted by ITAR.

Customer and OEM solutions

CST has a long tradition of working closely with its customers, identifying unmet needs and creating solutions with sustainable value for the users.

With a strong R&D base at the headquarters in Denmark, CST is able to provide mechanical, optical, software and hardware customisations while meeting the toughest requirements for military, homeland security and high-end surveillance applications.

Whether the need calls for a ruggedized high-precision zoom lens or a highly sensitive C-MOS camera, or a complete system comprising lens, camera and advanced video processing, CST can offer a fast-track design process. Contact us to discuss your specific requirements. Together we can create a solution that provides the best price and performance ratio.