



UltraView™ 450

The UltraView™ 450 is a 4.3 inch full color display. It is visible in direct sunlight and sealed to IP67 making it ideal for both in cab and external applications. It can be fully customized to your application and supports up to 10 different languages. It is designed for rugged high vibration environments making it suitable for a multitude of vehicle applications. It is equipped with two video inputs and has two separate CAN networks.

Features

The UltraView™ 450 display features a freely configurable design allowing custom software to be quickly developed. The display is compatible with PowerVision Configuration Studio® software to enable quick and easy changes to the programming. The highly durable display features a full-color, robust 4.3-inch bonded LCD for best-in-class sunlight readability. The UV450's rugged design makes it a great solution for all types of environments and applications.

Applications/Solutions

- Emergency Responder OEMs
- Fire OEMs
- Firefighting - Structural
- Rescue - EMS

Display

- Bonded 4.3" color transmissive TFT LCD

Resolution

- WQVGA, 480 x 272 pixels, 16-bit color

Orientation

- Landscape or portrait



Specifications

Brand	SmartCAFS
Width	7.356" (186.84 mm)
Height	3.79" (96.5 mm)
Depth	1.944" (49.40 mm)
Volts	+12 VDC ... +32 VDC

UltraView™ 450

STYLE

Operating Temperature

- -40C ... +85C

Display

- Bonded 4.3" color transmissive TFT LCD

Resolution

- WQVGA, 480 x 272 pixels, 16-bit color

Aspect Ratio

- 16:9

Orientation

- Landscape or portrait

Backlighting

- LED, 500-650 cd/m2 (30,000 hr lifetime)

Microprocessor

- Freescale i.MX357 32bit, 532Mhz QNX Realtime Operating System

Flash Memory

- 256 MB

RAM

- 128 Mbytes DDR2 SDRAM

Power Consumption

- 10W max. (CSA, 163 mA max @ 30VDC)

CAN

- (2) CAN 2.0B; optional NMEA 2000 isolation, isolation with HVS450

Protocols

- J1939, NMEA 2000, CAN open

RS-485

- (1) MODBUS Master/Slave

Video Input (Optional)

- (2) NTSC/PAL input channels with one displayed at a time

Connection

- (4) Deutsch DT 6-pin connectors

Keyboard

- (8) tactile buttons with white LED backlight

USB

- 2.0 host, full speed

Clock

- Real time clock with built-in rechargeable Li-ion battery backup (0.033 mWh)

Electromagnetic Compatibility

- 2004/108/EC EN 60945:2002
- EN 61000-6-4 EN 50121-3-2
- EN 61000-6-2 (immunity) EN 12895
- J1113/2, 4, 11, 12, 21, 24, 26 and 41

Vibration

- Random vibration, 7.86 Grms (5-2000 Hz), 3 axes

Shock

- $\pm 50G$ in 3 axes