Rugged 7" Video Monitor for Dashboard Mounting

type number 01201

Main Features:

- Rugged LCD-TFT color video monitor for use under harsh environmental conditions as in wheeled or tracked armoured military vehicles
- Mirrored or normal display for situational awareness imagers, driver vision enhancement imagers, gunner imagers
- Two video inputs useable for color- and monochrome cameras or thermal imaging cameras
- CAN-Bus version 2.0B (SAE J1939), protocols CAN-Open or CAN-CUP for advanced camera control and build in test
- Milled aluminium housing

Options:

- Video overlay marking for approximate vehicle width at distances of 1 m, 2 m, 3 m and 4 m
- Display brightness and intensity of control element illumination switchable for day or night ambient light
- Night vision goggles compatibility
- Version for 12 V DC board voltage available on request

Optional accessories:

- Various ruggedized cameras and thermal imagers
- driver vision enhancement imagers
- Mounting adapters and wiring harnesses for various vehicles

Ask for further technical information!
Functional or interface modifications can be realized on request. Each configuration change causes a new type number.

Technical Data:

Display type:	7" TFT LCD with LED backlight
Resolution:	800 x 480 pixels (H x V)
Colors:	16.7 M (8 bit / color)
Active display:	152 x 91 mm
Contrast ratio typ:	1000:1
Brightness typ:	350 cd / m²
Viewing angle:	± 70° horizontal / ± 70° vertical
Display windows:	Hardened, scratch resistant acrylic glass with anti-reflective and anti-fingerprint coating
Video inputs:	2 x CVBS according to PAL and NTSC
Power inputs:	24 V DC / 20 W ref. to VG96916 24 V DC / 12 W loop through for camera heating)
Power outputs:	12 V DC / 5 W for camera power supply
Control inputs:	reverse gear video overlay marking enable display & illumination enable day / night switch
Control outputs:	relay drive signal for camera washer pump and camera windows cleaning
Control buttons:	contrast, brightness, backlight, camera selection, camera cleaning
Connectors:	VG 96912
EMC / EMI:	VG 95373 (MIL-STD-461G on request)
Protection:	IP 65
Temperature:	-30 °C to +75 °C (operating) -30 °C to +80 °C (storage)
Dimensions:	236 x 135 x 50 mm (W x H x D) w/o connectors
Weight:	approx. 2 kg
Color:	RAL 1013 oyster white or TBD