



Rugged 7" Native Full HD Monitor for Dashboard Mounting

type number 01303



Main Features:

- Rugged LCD-TFT 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
- 3G-SDI and CVBS video inputs useable for color- and monochrome cameras or thermal imaging cameras
- Video inputs galvanically isolated from the vehicle power supply
- 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
- additional SDI or CVBS inputs
- HDMI or DVI video inputs
- LCD-Glass heater
- Night vision goggles compatibility
- CAN-Bus version 2.0B (SAE J1939), protocols CAN-Open or CAN-CUP for advanced camera control and build in test
- Version for 12 V DC board voltage available on request

Technical Data:

Display type:	7" TFT LCD with LED Backlight
Resolution:	1920 x 1080 native pixels (H x V)
Aspect ratio:	16 : 9
Colors:	16.7 M (8 bit / color)
Supported resolutions:	SD 525i and 625i HD 720p 25, 30, 50 and 60 Hz HD 1080i 50, 60 Hz HD 1080p 25, 30, 50 and 60 Hz
Video inputs:	1 x 3G-SDI 1 x CVBS (PAL and NTSC)
Active display:	155 x 87 mm
Contrast ratio typ:	800 : 1
Brightness typ:	500 cd / m ²
Viewing angle:	±85° horizontal / ±85° vertical
Display window:	Hardened, scratch resistant acrylic glass with anti-reflective and anti-fingerprint coating
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 buttons:	contrast, brightness, backlight, camera selection, camera cleaning (all buttons illuminated)
Control inputs:	reverse gear video overlay marking enable display & illumination enable day / night switch
Control outputs:	relay drive signals for camera washer pump and camera windows cleaning
Connectors:	VG 96912 and triaxial
EMC / EMI:	VG 95373 (MIL-STD-461G on request)



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Optional Accessories:

- Various ruggedized cameras and thermal imagers
- driver vision enhancement imagers
- Wiring harnesses for various vehicles

Protection:	IP 65
Temperature:	-20 °C to +70 °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
Paint finish:	RAL 1013 oyster white or TBD

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

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