Rugged 10" WUXGA / Native Full HD Monitor for Dashboard Mounting

type number 01284



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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 colorand 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:10" TFT LCD with LED BacklightResolution:1920 x 1200 native pixels (H x V)Aspect ratio:16 : 10Colors:16 : 7 M (8 bit / color)Supported resolutions:16 : 7 M (8 bit / color)Supported resolutions:16 : 7 M (8 bit / color)Video inputs:1 x 3G-SDI 1 x CVBS (PAL and NTSC)Active display:217 x 136 mmContrast ratio typ:800 : 1Brightness typ:700 cd / m²Viewing angle:±85° horizontal / ±85° verticalDisplay window:Hardened, scratch resistant acrylic glass with anti-reflective and anti-fingerprint coatingPower inputs:12 V DC / 20 W ref. to VG96916 24 V DC / 12 W loop through for camera heatingPower outputs:12 V DC / 5 W for camera power supplyControl buttons:reverse gear video overlay marking enable display & illuminated)Control inputs:reverse gear video overlay marking enable display & illumination enable day / night switchControl outputs:VG 96912 and triaxial		
Resolution.(H x V)Aspect ratio:16 : 10Colors:16.7 M (8 bit / color)Supported resolutions:SD 525i and 625i HD 720p 25, 30, 50 and 60 Hz HD 1080p 25, 30, 50 and 60 Hz HD 1080p 25, 30, 50 and 60 HzVideo inputs:1 x 3G-SDI 1 x CVBS (PAL and NTSC)Active display:217 x 136 mmContrast ratio typ:800 : 1Brightness typ:700 cd / m²Viewing angle:±85° horizontal / ±85° verticalDisplay window:acrylic glass with anti-reflective and anti-fingerprint coatingPower inputs:24 V DC / 20 W ref. to VG96916 24 V DC / 12 W loop through for camera heatingPower outputs:12 V DC / 5 W for camera power supplyControl buttons:contrast, brightness, backlight, camera selection, camera cleaning (all buttons illuminated)Control outputs:reverse gear video overlay marking enable display & illumination enable day / night switchControl outputs:relay drive signals for camera washer pump and camera windows cleaning	Display type:	
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Connectors: VG 96912 and triaxial	Control outputs:	washer pump and camera
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Optional Accessories:

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

EMC / EMI:	VG 95373 (MIL-STD-461G on request)
Protection:	IP 65
Temperature:	-30 °C to +80 °C (operating) -30 °C to +80 °C (storage)
Dimensions:	270 x 200 x 50 mm (W x H x D) w/o connectors
Weight:	approx. 3 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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issue date 2017 / 04