DADINTERNATIONAL



Mobile Display Optically Bonded HY-eVision² 7.0

Description

The compact backlight 7" TFT colour display with integrated high-end eVision² display controller is notable in the optically bonded version for its superb image quality, low reflection, high colour saturation as well as an optimal readability, even under the worst of lighting conditions.

The display is protected by a robust metal/plastic housing and can either be installed either externally or directly into the instrument panel or surfacemounted in the field of vision of the driver/operator using a RAM Mount® system in the cockpit.

Ten programmable illuminated control keys create an easy-to-use humanmachine interface.

Up to two analogue cameras and two Ethernet cameras can be connected to give the user optimum visibility around the vehicle.

Thanks to the optical bonding between the TFT display and front glass, condensation effects can be almost entirely eliminated. Optimal readability is thus possible even under the most challenging environmental and lighting conditions.

Special features

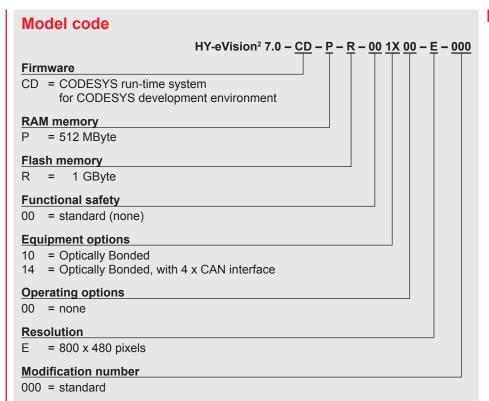
- 7.0" monitor with large angle of view, high contrast ratio
- Programming in CODESYS V3
- Display/creation of PDF files and animations, 3D capability
- 2 analogue camera interfaces with picture-in-picture feature
- Up to 2 digital Ethernet cameras can be connected
- Up to 4 CAN, USB 2.0 Host, RS232, Ethernet
- Real-time clock
- Sleep mode with shutdown
- Wake-up pin and wake-up timer
- Operation possible in 12 V and 24 V systems
- Waterproof and dustproof IP 6K5 housing
- E12 type approval

Technical data

Operating temperature	-30 +60 °C (environment)
Storage temperature	-30 +80 °C
Supply voltage	9 32 V DC
Fulfils the following standards	
€ mark	Compliant with 2014/30/EU
E-mark	ECE-R10
EMC	EN 13309
ESD	ISO 10605
Electrical	ISO 16750-2, ISO 7637-3
Protection class	ISO 20653 IP6K5
- Emperature	ISO 16750-4
ibration, shock, bump	ISO 16750-3
imensions and weight	
lousing dimensions	235 x 135 x 52.4 mm
lousing material	Robust powder-coated die-cast housing on front
Veight	1.2 kg
isplay	
creen diagonal	7.0" (17.8 cm) / 16:9 format
ixels	800 x 480
ctive area	152.4 mm x 91.44 mm
ixel size	0.1905 mm x 0.1905 mm
uminance	500 cd/m ²
ewing angle	Vertical: ±60° / horizontal: ±70°
ontrast ratio	600:1
eaction time	5 ms
D type	TFT (active matrix)
cklight	LED
e expectancy of backlight	≥ 50,000 h at +25 °C (constant)
atures	
CD with backlight and high contrast	
uto-dimming via ambient light sensor	
2 bit ARM Cortex A8 microcontroller, 800 MHz,	1 GB Flash, 512 MB RAM
4-pole Tyco central male connector	
15 for ignition input	
x composite video interface for external camera	1
x CAN (optionally 4 x CAN) interface, 125 kbit/s	s 1 Mbit/s
x RS232 and 1 x Ethernet interface 100 Mbit/s	
x USB 2.0 Host	
Real-time clock (buffered with GoldCap)	
Buzzer	
Name and de (contra con a O E a) collista alacetal according	ction
leep mode (wake-up < 0.5 s) with shutdown fun	

Note: All external interfaces (except USB) are protected against short circuit to GND and BAT+.

EN 18.511.1.0/03.18



On devices with a different modification number, please read the name plate

Appropriate accessories, such as cable harnesses, cabling and connection technology, service tools and software can be found in the Accessories section.

or the technical amendment details supplied with the device.

Note

The information in this brochure relates to the operating conditions and applications described.

For applications or operating conditions not described, please contact the relevant technical department.

Subject to technical modifications and corrections.

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Dimensions

Accessories

