

RuggedLight12WX

New

RuggedLight12WX

Rugged 12.1" TFT-Display
with WXGA resolution and
aluminium case with a lot of video inputs
and extrem bright LED backlight

The RuggedLight12WX is designed for research and development of automobile manufacturers and their suppliers. It is able to display colour images within the whole range of graphics standards such as DOS text modes, VGA, SVGA, XGA and WXGA graphics and Video standards like NTSC, PAL and SECAM. Colour modulation can be either CVBS or S-Video. All input resolutions smaller than 1280 x 800 dots can be expanded optionally by an excellent image expanding technique which uses both, horizontal and vertical filtering. Bigger resolutions are rendered down to the native resolution of the TFT.

Optional there is a touch panel available.

The anodized aluminium case of this Display makes it rugged. The attractive and ergonomic design is the base for a unobtrusive display in a test car.

Due to its high brightness of up to 1500 cd/m² combined with its anti-glare coating it is best suitable for mobile applications. The wide supply voltage range 9...36 V of the internal galvanically decoupled power supply makes applications running with 12 V or 24 V possible. Also 28 V of aeroplanes can be applied to the power input.

Applications

- Research and development of vehicles
- Process Visualisation
- Visualising of data when measuring environmental data by use of aeroplanes
- Supervisory

- brightness up to 1500cd/m²
- aluminium case
- DisplayPort++, DVI(HDMI), VGA + S-Video, FBAS, RS-232 or 3x USB-A
- compact dimensions and small case borders (308x197x43)mm³
- customised connector-variants
- touchscreen & USB-2.0-HUB optional

12,1"
1280x800
1500cd/m²



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Displays are our
business...

RuggedLight12WX

Technical Data

| | |
|-------------------------|--|
| Display | 307.34 mm (12.1"), active area (261.12 x 163.2) mm ² |
| Resolution | 1280 x 800 pixels |
| Brightness | 5...1500 cd/m ² , up-/down-keys, automatic adoption to environmental brightness |
| Optical characteristics | Contrast: 700:1, response time rising 4ms falling: 12ms Viewing angle: (U/D/L/R): 80/60/80/80° |
| Technology | TFT-Stripe-RGB, 8-bit per colour (16.7M colours) |
| Video Inputs | DOS-Text@56..85Hz, stretched or centered VGA-XGA+@56..85Hz, stretched or centered WXGA 1280x800@56..85Hz WXGA+@56..72Hz shrank or cropped Video PAL, NTSC, SECAM, FBAS/CVBS, S-Video |
| Touch Panel | Resistive technology, integrated, optional, USB- and RS232-interface, drivers for Win98/ME®, WinNT®, Windows 2000®, WindowsXP®, Windows7® are available, approx. 20% lose of brightness |
| Power Supply | 9..36 V, with galvanic de-coupling, polarity-save typ. 23 W at full brightness, power-off on loss of video signal |
| Connectors | DisplayPort, DVI-I, D-Sub 15 HD (VGA), D-Sub 5 (Power), Mini-USB (Touch/HUB) + kein USB-HUB: Mini-DIN 4 (S-Video), BNC (FBAS), D-Sub 9 (RS-232&USB Touch) + USB-HUB: 3x USB-A Ports für USB2.0 |
| Case and Dimensions | aluminium, anodized, WxHxD (308 x 197 x 43) mm ³ |
| Temperature Range | operating: approx. -30..+70°C, storage: approx. -40..+70°C |
| Mass | 1670(1900)g |

Accessories

- 1EYCBSH-0905
Kugelgelenk mit Kugelteller und Rumpf, für Befestigung direkt am RL12WX und an der Aluminium-Pyramide (MP1)
- 1EYCH-MP1
Aluminium Montage Pyramide, für Flächen- und Rohranbringung, ohne Zubehör
- 1EZKA-DB5BAN2-x
Power supply cable with D-Sub-5 and banana plugs
L=2m, 5m or 7m
- 1EZPAS-DB5
Power connector, D-Sub5 receptacle for soldering

Order Codes

- 1EMRL12WX-U-DP++
TFT-display, RuggedLight12WX, 12,1", 1280x800, ca. 1.500cd/m², DisplayPort DP++ & DVI-I/VGA & VGA,
- 1EMRL12WX-U-DP++
TFT-display, RuggedLight12WX, 12,1", 1280x800, ca. 1.500cd/m², DisplayPort DP++ & DVI-I/VGA & VGA,
- 1EMRL12WX-T
TFT-display, RuggedLight12WX, 12,1", 1280x800, ca. 1.200cd/m², DVI-I/VGA & VGA & CVBS & S-Video,
- 1EMRL12WX
TFT-display, RuggedLight12WX, 12,1", 1280x800, ca. 1.500cd/m², DVI-I/VGA & VGA & CVBS & S-Video,
- Further variants on request -

