StarLight12X

Compact TFT-Display
for XGA-Resolution 1024 x 768
with PC- and Video Input
and bright backlight unit

At the development of the Nickl StarLight series all experiences made with the SunLight series are collected. Then the main features of them are inherited in order to offer a very cost-effective display.

In that way the cost-effective Nickl StarLight12X offers all what is neccesary to work effectively in the research and development on automobiles. For example its resolution of 1024 x 768 dots allows working with graphical user interfaces and its high brightness of 300 cd/m² in conjunction with the anti-glare surface eases reading the display content. Even mixed application with PC graphics and camera is possible because the user can select between the inputs.

Its very compact outer dimensions and the available accessories ease the integration on most places and a direct connection to the automotive mains eliminates the need of a DC/DC converter.

Applications:
- Research and development of vehicles
- Testing chassis dynamic and bake systems
- Process Visualisation
- Visualising of data when measuring environmental data by use of aeroplanes
- Supervisory

- **High Brightness up to 300cd/m²**
- **Supports PC-Graphics and Video**
- **Separate inputs for PC and Video selectable for image processing purposes**
- **Wide supply range of 9..36V DC**
- **Compact outer dimensions (290 x 228 x 34) mm³**

12.1" XGA
300 cd/m²

Nickl
Elektronik-Entwicklung

www.nickl.de

Displays are our business...

StarLight12X

Display	307.5 mm (12.1 "), active area (245.76 mm x 184.32) mm²
Resolution	1024x768 pixels
Brightness	5...300 cd/m², up-/down-keys, automatic adoption to environmental brightness
Optical characteristics	Contrast: 500:1, response time rising/falling: 6/19ms Viewing angle: (U/D/L/R): 40/50/60/60°
Technology	TFT-Stripe-RGB, 6-bit per colour (262k colours)
Video Inputs	DOS Text, VGA 640x480, SVGA 800x600, XGA 1024x768, 56..85 Hz, RGB analog, 0,7Vpp, DC-Restore, H- und V-Sync NTSC, PAL, SECAM as S-Video, 75 Ohm
Touch Panel	on request for higher volume
Power Supply	9..36 V, no galvanic de-coupling, polarity-save typ. 17 W at full brightness, power-save on loss of video signal
Connectors	1. PC graphics 15-pin HD D-Sub receptacle 2. S-Video Mini-DIN 4 3. Supply: 5-pin D-Sub Header 4. Touch panel: 9-pin D-Sub header optional
Case	Polystyrol black, further colours on request WxHxD: (290 x 228 x 34) mm³
Temperature Range	Operating: 0..+55 °C, storage -25..+60 °C
Mass	1675 g

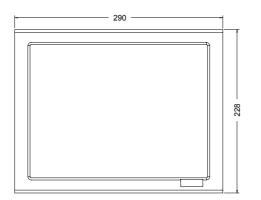**1EMXTDH-x**
Holder for car and laboratories

1EZKA-HS15HS15-x-HQ
Video signal cable with ferrite bead, L=1,5m, 2m, 5m, 7m or 10m

1EZKA-DB9BAN5-x
Cable for power supply with two banana plugs, L=2m or 7m

1EZPAS-DB5
Power connector, D-Sub5 high-current, receptacle for soldering

1EMST12X
TFT-Display, 12.1", StarLight12X, 1024x768, Vin=9..36V, 300cd/m², multivideo inputs, particular for

- Further variants on request -

290

228

10 holes M4

167,6
145,6
122,6
71,0
129,0
51,6
23,6

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