

# StarLight10X

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## 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.

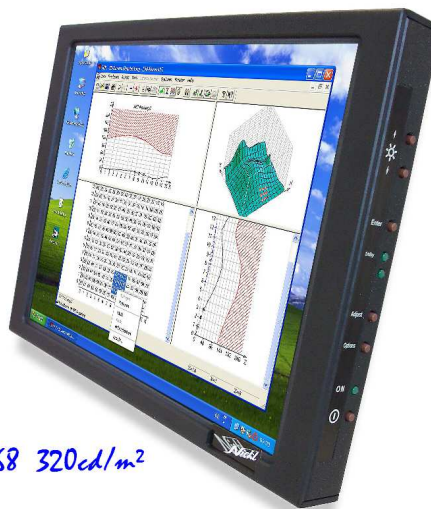
In that way the cost-effective Nickl StarLight10X offers all what is necessary to work effectively in the research and development on automobiles. For example its resolution of 1024 x 768 dots allows working with graphical user interfaces and its high brightness of 320 cd/m<sup>2</sup> in conjunction 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 brake systems
- Process Visualisation
- Visualising of data when measuring environmental data by use of aeroplanes
- Supervisory

- High Brightness up to 320 cd/m<sup>2</sup>
- 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 (251 x 187 x 35) mm<sup>3</sup>



10.4"  
1024x768 320cd/m<sup>2</sup>



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# StarLight10X

## Technical Data

Display	264.16 mm (10.4"), active area (210.43 x 157.82) mm <sup>2</sup>
Resolution	1024x768 pixels
Brightness	5..320 cd/m <sup>2</sup> , up-/down-keys, automatic adoption to environmental brightness
Optical characteristics	Contrast: 1200:1, response time rising/falling: 30/10ms Viewing angle: (U/D/L/R): 88/88/88/88°
Technology	TFT-Stripe-RGB, 8-bit per colour (16 M 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
Power Supply	9..36 V, no galvanic de-coupling, polarity-save typ. 16 W at full brightness, power-save on loss of video signal
Connectors	1. PC Grafik DVI-receptacle (HDMI via connector adapter or cable) 2. PC graphics 15-pin HD D-Sub receptacle 3. S-Video Mini-DIN 4 4. Supply: 5-pin D-Sub Header
Case	Polystyrol black, further colours on request WxHxD: (251 x 187 x 35) mm <sup>3</sup>
Temperature Range	Operating: -20..+70 °C, storage -20..+80 °C
Mass	995 g

## Accessories

- 1EMSL10XH-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

## Order Codes

- 1EMST10X-D  
TFT-display, 10,4", StarLight10X, 1024x768,  
Vin=9..36V, 320cd/m<sup>2</sup>, DVI(HDMI)- and VGA- and S-  
- Further variants on request -

