

# StarLight6V

StarLight6V

Very compact 6.5" TFT-Display  
with full VGA Resolution 640x480  
für standard PC- and Video Signals  
in "Double DIN Slot" height

For the mobile measurement engineering and surveillance purposes the Nickl StarLight6V was developed. The main focus was the standard VGA resolution, very compact outer dimensions and a bright display. This allows easy car-integration and it can be directly connected to the VGA output of a measurement PC.

VGA signals can be displayed natively. Resolutions up to XGA can be either shrunk down to 640x480 or a region of 640x480 dots can be dumped natively. Moreover an arbitrary sub-region can be zoomed out to full-screen with the built-in magnifier function. Video signals such as PAL, NTSC and SECAM can also be displayed. The wide dimming range of the backlight allows operation at night and at bright environments.

The light-weight Nickl StarLight6V can be easily mounted through M4 threads and the available accessories. Its compact height allows mounting the device in a double-height DIN radio slot.

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
- Air conditioner measurement engineering

- **VGA allows PC operations**
- **PC-Graphics and video selectable**
- **Can show an arbitrary sub-region with magnifier function**
- **approximately double DIN slot format**
- **Very compact: (166 x 126 x 30) mm<sup>3</sup>**



640x480  
6.5", 400 cd/m<sup>2</sup>



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business...

# StarLight6V

## Technical Data

Display	165,64 mm (6.5"), active area (132.5 x 99.4) mm <sup>2</sup>
Resolution	640x480 pixels
Brightness	5...400 cd/m <sup>2</sup> , up-/down-keys, automatic adaption to environmental brightness
Optical characteristics	Contrast: 300:1, response time rising/falling: 15/16ms Viewing angle (U/D/L/R): 30°/60°/55°/55°
Technology	TFT-Stripe-RGB, 6-bit per color (262k colors)
Video Inputs	DOS Text, VGA 640x480, SVGA 800x600, XGA 1024x768, 56..85 Hz, RGB analogue, 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. 13 W at full brightness, power-off 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 Mini-DIN receptacle optional
Case	Polystyrol black, further colours on request WxHxD: (166 x 126 x 30) mm <sup>3</sup> w/o touch option, (166 x 126 x 32) mm <sup>3</sup> with touch option
Operating temperature	0..+60 °C
Storage temperature	-25..+70 °C
Mass	497 g

## Accessories

- 1EMVTDH-K/Py  
Holder pyramid with 7 1/4 inch threads for ball joints and flange mounting capabilities
- 1EZKA-HS15HS15-x-HQ  
Cable for power supply with two banana plugs, L=2m or 7m
- 1EZKA-DB5BAN2-x  
Video signal cable with ferrite bead, L=1,5m, 2m, 5m, 7m or 10m
- 1EMBE-10/13  
Key pad printed circuit board for remote operation via flat cable

## Order Codes

- 1EMST6V  
TFT-display, 6.5", StarLight6V, 640x480, U<sub>in</sub>=9..36V, 400cd/m<sup>2</sup>, multivideo standards, especially for mobile use  
- Further variants on request -

