VersaLight65V



Versatile Display for Measurement
with full VGA-640x480 Resolution
and Trigger-Button, Control-I/O's,
Speaker ++ compact and bright ++

For the mobile measuring technology in test and long-term running vehicles "VersaLight65V" VGA TFT display was developed. The focus was held on visualization, operation ergonomics and acoustic signaling stood when measuring with a data logger. The bright and contrast-rich display can process signals with VGA resolution brilliantly. In addition, the magnifier allows showing screen areas either stretched to full screen or mapped pixel-accurately.

The high-brightness backlight can be dimmed down to low brightness, allowing operation at darkness.

Events can be triggered easily by operating the large sensor button at the top of the case. The sensitivity of this button can be adjusted. With an input signal, one of 5 built-in, loud sounds can be played in order to notify the driver of certain events.

At the back-side connector, a few I/O signals are available to control the magnifier, backlight on/off etc.

Possible Applications:

- Display for data logger with VGA resolution
- Operational unit wit 1..3 buttons and monitor
- Compact VGA display with Speader

- High-brightness VGA-TFT-Display
- Sensor Button for Trigger/Start
- Integrated Speaker with built-in Sounds
- 5+4 I/O-Control Signals
- Mounting viw Ball Joint or Flexible Neck







VersaLight65V



Display 640x480 dots, diagonal size 165.64 mm (6,5"), active area (132.5 x 99.4) mm²

Brightness 7...700 cd/m² with up/down button, automatic adaption to environmental brightness

Optical characteristics Viewing angle (approx): U/D: 80°/60° - L/R: 80°/80°

Contrast ratio: 600:1, response time on/off: 6/19ms
Technology TFT-Stripe-RGB, 6-bit per color (262k colors)

Video Timing DOS Text, VGA 640x480, SVGA 800x600, XGA 1024x768, 56..85 Hz,

RGB analog, 0,7Vpp, DC-Restore, H- and V-Sync

Sensor Button (60 x 13) mm² red button, proximity sensor, configurable parameters

Speaker loud speaker with built-in sound, can be triggered via I/O from logger or PC

Control Signals IN: Gong, Display on/off, Magnifier, Brightness profile, Power-Tracking

OUT: Sensor-Button, 3x reserve

Power Supply 9..36 V, not galv. Isolated, polarity protected, typ. 12 W at full brightness, Power-off

on loss of video signal

Connectors 1. PC graphics: 15-pin HD D-Sub receptacle

2. Control signals: 15-pin HD D-Sub header

3. Supply: Lemo ECG.1B.302.CLV

Case and Dimensions Polystyrol black, further colors on request

WxHxD: (166 x 126 x 36.5) mm³

Sensor-Button + mounting block increases height size by 1mm, each

Operating temperature -25..+70 °C

Storage temperature -20..+60 °C

Mass 565 g

1EZKA-HS15HS15-X-HQ

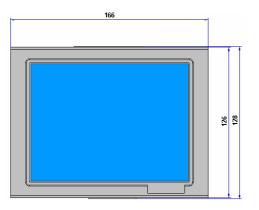
Cable, VGA, 2x 15-pole HD-D-Sub Header, with ferrite bead, L=X m

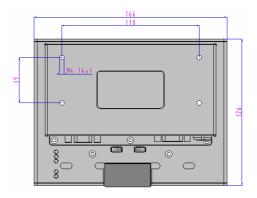
1EZKA-HS15HB15-X-HQ

Control cable, I/O, 15-pole HD-D-Sub Receptacle, 15-pole HD-D-Sub Header, L=X m

1EMVL65V

- Further variants on request -





Nickl Elektronik-Entwicklung GmbH Eisackstraße 22 86165 Augsburg Germany Tel +49/821/450344-0 Fax +49/821/450344-49



www.nickl.de

Displays are our business:...