

RuggedLight21QX

New

RuggedLight21QX

2048 x 1536 @ 21.3" TFT display
with Picture-In-Picture function,
DisplayPort, DVI-I/VGA, HDMI inputs
and rugged aluminium housing

The RuggedLight21 QX (RL21QX) has been specially developed for the highest display requirements in the vehicle. It is a very high resolution computer display with 2048x1536 (3 million) pixels at a large image diagonal and high luminous power. Optionally, a multitouch-enabled PCAP touchscreen can be integrated with a USB interface.

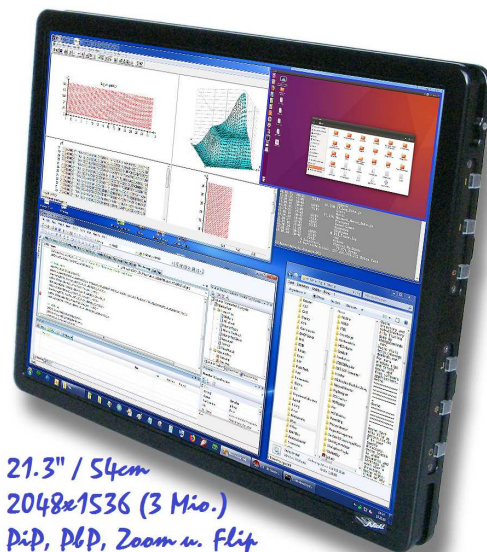
Thanks to the "premium high resolution" graphics processor in the special own electronics, Picture-in-Picture, Zoom and Flip are possible. With the special Zoom function, flexible and pixel-accurate magnifications can be selected by pressing a button. The possible high-format installation, which is supported by the special viewing angles, the mounting types as well as the 90° rotated fade-in and the OSD menu, reduces the space requirement in the width. The proven inputs: DisplayPort & DVI-I/VGA & HDMI are available.

The anti-reflective surface, the special viewing angles and the very high brightness of the TFT panel in the robust, black anodized aluminum housing as well as the supply to 9.. 36VDC with galvanic separation guarantee outstanding results in the vehicle.

Applications:

- Large high-resolution measuring technology display or presentation in the test vehicle
- Portable process/monitoring visualization
- Professional monitor in the Ob-Van for live transmissions
- Collection and control of geo-and environmental data by airplane.

- 2048 x 1536 resolution @ large 21.3" image
- Picture-in-Picture and Picture-by-Picture
- DisplayPort DP 1.2, DVI-I/VGA, HDMI 1.4
- optional PCAP touchscreen
- rugged alu housing approx. (475x368x55)mm³
- ball joint, pyramid, VESA 50 or 75 holder possible



21.3" / 54cm
2048x1536 (3 Mio.)
DiD, PiP, Zoom u. Flip
PCAP-Touch optional

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



Elektronik-Entwicklung

www.nickl.de

Displays are our
business...

RuggedLight21QX

Technical Data

Display/Diagonal	541mm (21.3"), active area (433 x 325)mm ² , 4:3
Resolution	2048 x 1536 pixels
Brightness	typ. 20..1000cd/m ² (with PCAP-touch reduced by about 15% each)
Optical characteristics	Contrast: typ. 1400:1, response time on/off: typ. 15/15ms Viewing angle: up/down/left/right: typ. 89/89/89/89°
Technology	TFT-Stripe-RGB, 8-bit per color (16,7M colors)
Signal processing	2048x1536: DP+DVI@30/50/60Hz, HDMI@24/30Hz, VGA@30Hz 1920x1440/1200: DP+DVI@60Hz 1920x1080: DP+DVI+HDMI+VGA@60Hz 1680x1050/1600x900: DP+DVI+HDMI@60Hz 1280x1024: DP+DVI+HDMI+VGA@75Hz PiP & PbP Function & Zoom for two selectable input signals
Touch-Panel	Optional, integrated, PCAP technology, MiniUSB interface, HID compliant device for Multitouch-enabled OS such as Windows7®/Windows10®
Power Supply	9..36 VDC, potential separated, polarity protected typ. 75W at full brightness, typ. 2W in standby / no video signal, typ. 0,1W at off / shutdown signal
Connectors	DisplayPort, HDMI, DVI-I (VGA via adapter cable), D-Sub5 (power), mini-USB (Touch)
Case and Dimensions	Aluminium, black anodized, circumferential round, WxHxD: (475 x 368 x 55)mm ³ Mounting centrally by solid ball joint, Alu-Pyramid, VESA 50 or VESA 75
Temperature Ranges	Operation: Non-touch and touch variant: typ. -20..+60°C Storage: typ. -25..+70°C

Accessories

- 1EYCBSH-0905
ball-joint as ball and socket head, for mounting direct at RuggedLight-displays and at the aluminium pyramid (MP1)
- 1EYCH-MP1
mounting pyramid, aluminium milled & black anodized, for plane surface and tube mounting
- 1EZKA-DB5BAN2C-x
cable for high-current-DC power supply, D-Sub 5-pole receptacle and 2x banana plugs + 1x crimp (optional control), L=2m or 5m
- 1EZPAS-DB5
power connector set, D-Sub5 receptacle for soldering

Order Codes

- 1EMRL21QX-T
RL21QX, 21.3", 2048x1536, typ. 850cd/m², DisplayPort&DVI-I/VGA&HDMI, PiP&PbP, zoom function,
- 1EMRL21QX
RL21QX, 21.3", 2048x1536, typ. 1.000cd/m², DisplayPort&DVI-I/VGA&HDMI, PiP&PbP, zoom function,
- Further variants on request -

