

Planet6WQ

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Transflective 16:9 6.5" TFT-Display
with Wide- $\frac{1}{4}$ -VGA Resolution 400x240
for Standard VGA- and Video-Signals
for example as Driver Display Unit

For the mobile measurement and test engineering the wide-format display Planet6WQ was created. The two major characteristics are the 16:9 wide-format and the transflective technology. This format allows easy installation in car applications and the transflective technology ensures readability at direct sunlight.

The Nickl Planet6WQ displays colour images at a resolution of 400x240 dots. This allows either shrank displaying of DOS-Text or 640x480 signals or pixel-accurate displaying of a region of the incoming signal. Furthermore a sub-region can be magnified and displayed over the full screen. PAL, NTSC and SECAM signals can be either stretched, fit horizontally or fit vertically.

Due to the wide dimming range, it can be used at a extremely wide range, at night up to direct sun light. Its wide operating temperature range allows air conditioner measurement engineering. Car-integration is advantaged by its light-weight, the M4 mounting holes and the available mounting accessories.

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
- Air conditioner measurement engineering

- 16:9 wide-format TFT display
- PC-graphics and video switchable
- "Reflective & Backlight" technology
- Can show arbitrary cut-out with magnifier function
- very compact: (165 x 100 x 33) mm³



6.5" 16:9
transflective



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Displays are our
business...

Planet6WQ

Technical Data

Display	165 mm (6.5"), active area (143.4 x 79.362) mm ²
Resolution	400x240 pixels
Brightness	5...200 cd/m ² , up-/down-keys, automatic adaption to environmental brightness
Optical characteristics	Contrast: >60:1, response time rising/falling: 20/25ms Viewing angle (U/D/L/R): 40°/45°/50°/50°
Technology	Transflective 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: (165 x 100 x 33) mm ³ w/o touch option, (165 x 100 x 35) mm ³ with touch option
Operating temperature	-30..+65 °C
Storage temperature	-30..+85 °C
Mass	445 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

- 1EMPL6WQ**
TFT-display, transflective, 6.5", PlanetLight6WQ, 400x240, U_{in}=9..36V, 200cd/m²+ambient light
- Further variants on request -

