

TEK800

8" Vehicle Monitor

TEKDIS

Technical
Solutions

Introduction

The TEK800 is a rugged vehicle monitor that brings the possibility of outdoor usage by its IP65 chassis for harsh environment design and direct sunlight readability enhancements. The monitor includes a high featured controller with automatic and manual back-light adjustment, depending on the ambient light, which makes it suitable for applications from the darkest night (NVIS) to the bright sunlight.

Furthermore, the TEK800 optionally includes a resistive touch panel with a USB/RS232 controller, adding interactivity for low-budget projects. TEK800 also consists of a rugged PCT (Projected Capacitive Multi-touch) touch screen as an option which not only with a higher light transmission but thicker glass, is anti-vandal, and no recalibration is required. Industries such as Medical Equipment and Industrial Instrument are looking for a product that isn't susceptible to scratches and cleaning, requires continued calibration due to drift, were not transparent enough, and in some instances did not work with a gloved hand.

The TEK800 is available with VGA and Audio input as standard, optional HDMI/DVI, Composite Video and S-Video inputs. All inputs are available as a factory option on the rear panel. Optionally it includes an "all-in-one cable", with a lockable connector

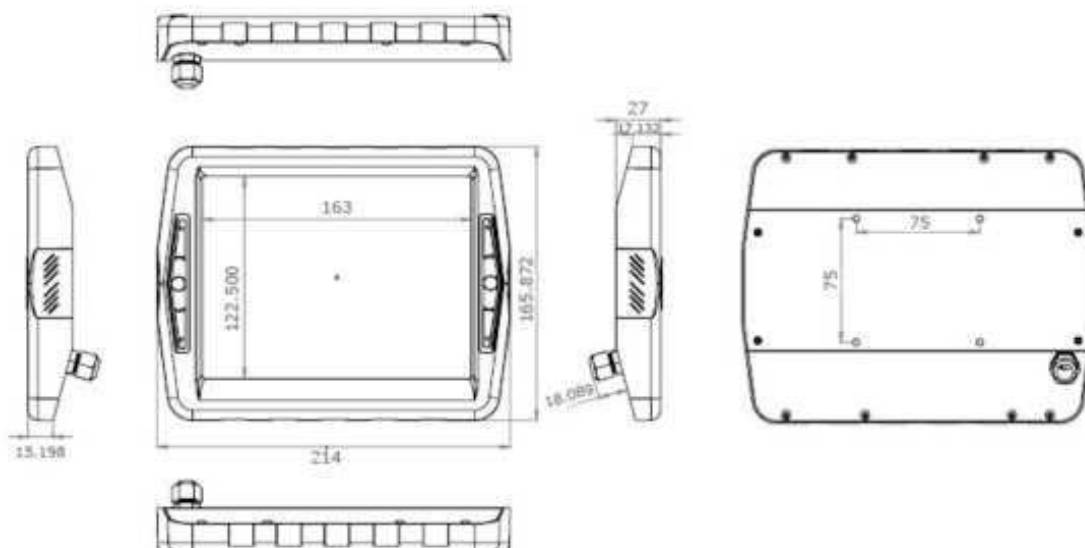


Main Features

- * High brightness ultra-low power LED backlight.
- * Sunlight readable.
- * 10 steps backlight dimmer and auto dimmer.
- * Auto power on/off by VGA signal.
- * True 800 x 600px input mode.
- * One composite video input with auto power/auto switch.
- * All-in-one cable with IP67 connectors, 2.5m and 4.5m length optional.
- * Power 9-36V, meets automotive car/truck requirements.

- * Ultra low power consumption.
- * Wide temperature range.
- * Shock/Vibration proof.
- * Aluminium chassis.
- * VESA 75mm mounting holes and stand alone mount accessories.
- * PCT (Projected Capacitive Multi-touch) optional.
- * Customization available for small qty.

Drawing



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Specifications

Size	8 Inches
Aspect	4:3
Inputs	VGA/DVI/HDMI, 2 x Composite Video (3 x Composite Video optional)
Audio	2 x 1.8W
Touch Panel	Resistive 4 wires USB/RS232, Endurance>2M touch. PCT multi-Touch optional
Power supply	9-36V DC automotive car/truck suitable
Power consumption	Normal 6W, HB 8W
Mounting	Standalone and headrest accessories optional
Warranty	12 months international, 24 months Europe
Certification	CE*, e-mark*, EN50155*, CCC* *upon request

Mechanical/ Environmental Specs

Dimensions	214 x 165.9 x 27 mm
Weight	860gr
Enclosure	Aluminium chassis/rear. PVC-ABS front.
Operation temperature	-35°C to 70°C max (-20°C to 60°C continuous)
Storage temperature	-40°C to 85°C
Vibrations	1G 2-500Hz
Shock	20G 11ms
Drop	10cm max
Mounting	VESA 75mm mounting holes, Stand alone and headrest accessories.

Optical Specifications

Brightness	300/500/1000nits
Contrast	500:1
Colours	256K
Native resolution	800x600px
Outdoor readability	Meets MIL-STD-3009 (sunlight readable version XF800HB-US/RS/UPS)
NVIS	Optional NVIS B compliant

ORDER INFORMATION

Code and Options: **TEK800HB-X Y V A C**

High Brightness	.....*	|	|	|	|
X - Touch Screen Option	.....	|	|	|	|	C - Cable Option
Resistive touch	.....	|	|	|	|	2.5: 2.5 meters
U: USB	.....	|	|	|	|	4.5: 4.5 meters
R: RS232	.....	|	|	|	|	C: Custom Cable
PCT touch	.....	|	|	|	|	A - Audio Option
UP: PCT touch	.....	|	|	|	|	N: W/O Audio
PM: Multi-touch PCT	.....	|	|	|	|	A: Stereo Audio
N: Non-touch	.....	|	|	|	|	V - Video Option
Y - Usage Option	.....	|	|	|	|	V: Video Input
N: Normal	.....	|	|	|	|	N: W/O Video
D: Day Light readable	.....	|	|	|	|	D: DVI Input
S: Sun Light readable	.....	|	|	|	|

Example: TEK800-HB-UPSVA2.5 10.4" 500nits backlight with PCT, Sunlight readable, Video, Stereo Audio with 2.5m all-in-one cable.