

signotec Epsilon Touch PD

15,6" LCD Colour Touch Pen Display

Description and data sheet for signotec Epsilon monitor extension.
This device works as a second monitor without any SDK.



HIGHLIGHTS

- **15.6" lightweight pen display (monitor extension).**
- **Support from applications with pen-input: take notes, record signatures and draw pictures.**
- **Wide-Viewing angles with Full-HD Resolution, anti-scratch display.**
- **Pen-Input: Perfect digital handwriting with 2048-level pen pressure sensitivity.**
- **Capacitive Touch: 10-point Multi-Touch Input**
- **Electromagnetic Resonance Technology (ERT).**
- **No integration via SDK needed, but Low level SDK available.**

- Robust 15.6" pen display monitor extension.
- High resolution colour display with 1.920 x 1.080 pixels.
- Extremely flat and modern design.
- Display made of hardened special glass.
- Extreme long service life and robust.
- Battery-free pen with changeable pen tip.
- Electromagnetic Resonance Technology, the sensor is only responding to the pen.
- No malfunction when simultaneously touching the surface with hand.
- Pen-Input: Perfect digital handwriting with 2048-level pen pressure sensitivity.
- Capacitive Touch: 10-point Multi-Touch Input
- Vertical and horizontal pen holder.
- Signature directly on the screen / digital document with application which supporting pen-input.
- Low Level API for Pen-Input available.



TECHNICAL DATA

Alterations for the technical progress, manufacturing tolerances and mistakes reserved at any time!
We reserve the right to alter the technical data without prior notice.

Dimensions	
Thickness	40 mm
Width	380 mm
Height	248 mm
Display	
Type	15.6" (39.5 cm) full colour TFT LCD pen display extension
Number of colours	16,7 Million
Resolution	1.920 x 1.080 pixel absolute
Pixel pitch	0.17925 mm (H) x 0.17925 mm (V)
Brightness	190 cd/m ²
Active Area	344.16mm x 193.59mm
Viewing Angles	170°
Surface Treatment	Extremely durable, hardened special glass
Technology	ERT (Electronic Resonance Technology): Suitable for on-screen hand writing, no influence by hand touch
Pressure stages	2.048 pressure stages
Pen	Active and battery-free pen with changeable pen tips
Life span of the pen tip	approx. 1,2 Mill. at 250g pressure and 2,5 cm length
Total lifetime	approx. 30 Mill signatures
Electronics/Digitisation	
Technology	Pen Display monitor extension via HDMI (1.4) and VGA
Digitizer Resolution	5.080 LPI
Output rate of the coordinates	250 Hz 4D Samples (consisting of x, y, time, pressure)
Accuracy	+/- 1 mm (middle)
Pen tilt angle	+/- 45°
Serial number	Unique serial number on product label
Power consumption	8 W typical, 10 W max.
Supported Operating Systems	Microsoft Windows, Mac OS, Linux
Capacitive Touch Sensor	
Multi-Touch	Yes, up to 10-Point Multi-Touch Input
Operation Force	<10g
Tapping Durability	>1 million times
Chattering Time	20ms or less
Active Touch-Area	344 mm x 193 mm
Miscellaneous	
Cable port	Power, VGA, HDMI, USB, Audio
Power Supply Unit (included)	External Power Supply (AC 100-240V; 50/60 Hz)
Weight	2.5 kg
VESA mount	Yes, size: 75x75mm
Theft Protection	Kensington Microsaver Security
Conformity	CE
ROHS	ROHS compliant
Barcode	A barcode with a serial number is located on the device and the cardboard box
WEEE-Reg.-No. (German register for used devices)	DE 41995888
Driver for pen input	https://en.signotec.com/drivers
Low-Level API for Pen-Input	On request
Country of Manufacture	China

Operating and storage conditions	
Operating temperature	- 10° C to + 60° C
Storage temperature	- 20° C to + 70° C
Max. humidity for operating and storage	10% - 90% non-condensing
Air pressure for operating and storage	> 700 hPa
Reliability/Quality assurance	
Quality test	Individual testing of devices with test log
Article numbers	
signotec Delta Colour Pen Display	ST-PDT-156-U100

Article number description:

ST	Manufacturer (signotec)
PD	Pen Display
T	Capacitive Touch Sensor
156	Display Size
U	USB
100	Standard colours regarding logo print and case

Scope of delivery:

- signotec Epsilon Touch Pen Display
- USB cable
- External power supply
- HDMI cable
- ERT-Pen
- 3 additional pen tips
- Pen tip replacement tool

Packaging Dimensions (W x D x H):

- 455 x 385 x 84 mm

All rights reserved! This documentation and the components described therein are copyrighted products of the signotec GmbH Ratingen in Germany.



Head Office

signotec GmbH
Am Gierath 20 b
DE-40885 Ratingen
T.: +49 (0) 21 02 - 5 35 75-10
F.: +49 (0) 21 02 - 5 35 75-39

Branch Office North

signotec GmbH
Schützenweg 1 b
DE-31637 Rodewald
T.: +49 (0) 50 74 - 9 67 27-0
F.: +49 (0) 50 74 - 9 67 27-69

Office Erfurt

signotec GmbH
Regierungsstr. 28
DE-99084 Erfurt
T.: +49 (0) 21 02 - 5 35 75-36
F.: +49 (0) 21 02 - 5 35 75-39

Mail: info@signotec.com
Web: www.signotec.com