signotec Delta PD

10.1" LCD Colour **Pen Display**

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

MADE IN GERMANY

Quality · Security · Ecology

Version: 1.3
Date: 2018-04-11

HIGHLIGHTS

- **10.1" lightweight pen display extension.**

- **Support from applications with pen-input: take notes, record signatures and draw pictures.**

- **Wide-Viewing angles with HD Resolution, anti-scratch display.**

- **Perfect digital handwriting with 2048-level pen pressure sensitivity.**

- **Electromagnetic Resonance Technology (ERT).**

- **No integration via SDK needed, but Low level SDK available.**

- Robust 10.1" pen display extension.
- High resolution colour display with 1.280 x 800 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.
- Records "flying movements" up to 5 mm.
- Perfect digital handwriting with 2048-level pen pressure sensitivity.
- Exchangeable USB cable with reliable strain relief.
- Vertical and horizontal pen holder.

- Outstanding technical data for digitising signatures.
- Monitor/display extension with "DisplayLink®" technology **DisplayLink®**
- One-Cable (USB) Plug-n-Play technology.
- 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	13 - 23 mm
Width	280 mm
Height	205 mm

Display	
Type	10,1" full colour TFT LCD pen display extension
Number of colours	16,7 Million
Resolution	1.280 x 800 pixel absolute ≙ 150 x 150 ppi
Pixel pitch	0.1695 x 0.1695 mm
Brightness	250 cd/m²
Active Area	216,96 mm x 135,6 mm
Viewing Angles	Horizontal 90°, vertical 130° @CR≥10
Surface Treatment	8H 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	1,2 Mill. at 250 gram pressure and 2,5 cm length
Total lifetime	30 Mill signatures

Electronics/Digitisation	
Technology	Display Link® monitor extension via USB
Digitizer Resolution	5.080 LPI (43.600 x 27.400 points)
Output rate of the coordinates	280 Hz 4D Samples (consisting of x, y, time, pressure)
Accuracy	+/- 0.5 mm (middle), +/- 1.0 mm (edge)
Pen tilt angle	+/- 45°
Detectable height	5-15 mm
USB port	USB-HID Hi-Speed (high-speed interrupt transfers) and USB Hi-Speed (high-speed bulk transfers).
Serial number	Unique serial number on product label
LED Indication	While attached to PC: amber/yellow When successfully configured: green While PC is in standby or off: LED is off
Power consumption	1.250 mA at 4,75 – 5,25 V DC
Supported Operating Systems	MS Windows, Mac OS, Linux

Miscellaneous	
Cable port	Micro USB with cord grip to 2x USB-B (Y-Cable)
Power Supply Unit (included)	USB Power Supply (2.1 A, 5 V)
Cable length	2,5 meter
Weight	620 grams
Pen attachment	Highly flexible textile tether
VESA mount	Size: 75x75mm; Screws for thermoplastic, diameter: 3mm, max. penetration depth: 6,5mm
Certifications and standards	TÜV, CE, DIN EN 60950-1, DIN EN 61000-6-1, DIN 61000-6-3
ROHS	ROHS compliant
Tamper-proof closure	Optionally the case can be glued
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
Operating systems	Windows XP (SP3) and later, Windows Server 2003 and later, Windows Terminal server support, Linux; 32 and 64 Bit
Protection class	IP 52
Driver for monitor extension	http://www.displaylink.com/downloads
Driver for pen input	http://en.signotec.com/download/driver/
Low-Level API for Pen-Input	On request

Operating and storage conditions	
Operating temperature	- 10° C to + 45° C
Storage temperature	- 25° C to + 70° C
Max. humidity for operating and storage	<= 90 % non-condensing
Air pressure for operating and storage	> 700 hPa
Reliability/Quality assurance	
Quality test	Individual testing of devices with test log
High temperature test of the component	240 hours at 80° C
Low temperature test of the component	240 hours at - 40° C
Humidity test of the component	240 hours at 60° C and 90 % humidity
Thermal shock test of the component	30 minutes at – 40° C and directly 30 minutes at + 80° C (10x in succession)
Article numbers	
signotec Delta Colour Pen Display	ST-DEPD-3-U100
Internal model number	25

Article number description:

ST	Manufacturer (signotec)
D	Delta series
E	ER-Technology
PD	Pen-Display
3	USB cable length 2,7 Meter
U	USB
100	Standard colours regarding logo print and case

Scope of delivery:

- signotec Delta Pen Display
- USB 2.0 Y-cable
- signotec USB power supply unit (2.1 A, 5V) (incl. adaptors for EU, UK, NA/JP, AU)
- ERT-Pen
- Penholder
- Additional pen tip
- Pen tip replacement tool
- Tether
- Quick start guide

Packaging Dimensions (W x D x H):

- 345 x 335 x 90 mm
- 13.58 x 13.19 x 3.54 inch

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