

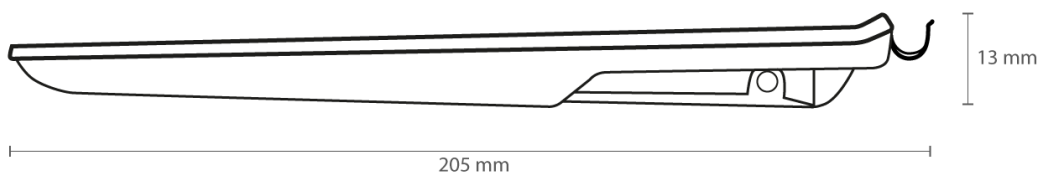
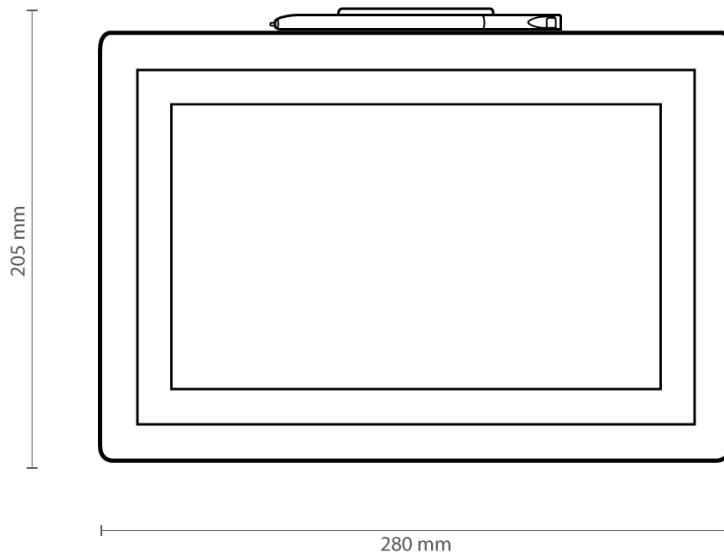
signotec Delta (Touch) Pen Display

Highlights & Data Sheet



HIGHLIGHTS

- 10,1" (25,6 cm) Pen-Display with ER-Technology.
- Integration as DisplayLink® monitor-extension.
- Support for pen input applications, for example to capture notes and signatures.
- Widescreen Display with HD-Resolution and scratch-resistant surface (8H).
- Battery-free pen with changeable pen tip.
- Perfect, digital handwriting with 2.048 pressure stages.
- Optionally available: Capacitive touch input.
- No integration via SDK required, API for pen-input available.
- Delivery comes with completely assembled USB cable, pen and cord.



TECHNICAL DATA

General data

Dimensions	280 x 205 x 13 - 23 mm (H x W x T), with fold-out stand 85 mm height
Casing colours	Upper shell: RAL 7021, black-grey Lower shell: RAL 9010, pure white
Cable port	Micro-USB (with strain relief) to 2x USB-B (Y-cable)
Cable length	Approx. 2,7 meters
Power consumption	1.250 mA at 4,75 – 5,25 V DC
Power supply	USB, optionally available USB power adapter (2.1 A, 5 V)
Status-LED	2 coloured and freely programmable LEDs
Stand	VESA-Stand size: 75x75mm, thermoplastic screws Diameter: 3mm, max. penetration depth: 6,5mm
Weight	Approx. 850 grams (incl. cable)
Warranty	2 years, optional extension up to 5 years.
Country of origin	Germany

Display

Type	Full-Colour-TFT
Size	10.1" (25,6 cm)
Colour space	16,7 million
Backlight	LED-Backlight, brightness: 250 cd/m ²
Configuration of backlight	No
Resolution	1.280 x 800 pixels \pm 150 x 150 ppi
Pixel size	0,1695 x 0,1695 mm
Visible area	216,96 x 135,6 mm
Line of sight	6 o'clock
Scroll-function	Yes

Sensor

Type	ERT (Electronic Resonance Technology)
Active signing area	216,96 x 135,6 mm
Resolution	10.800 x 6.900 pixels \pm 1.264 x 1292 dpi
Linearity	+/- 0,5 mm (centre), +/- 1.00 mm (edge)
Method of input	Special sensor for pen input (no influence by hand touch).
Surface	Extremely durable, hardened, highly polished special glass.
Surface hardness	8H
Life expectancy	Approx. 30 million signatures
Pressure stages	2.048 pressure stages
Output rate of coordinates	280 Hz 4D-samples (consisting of x, y coordinates, time and pressure)
Internal sampling rate	6.000 samples per second
Pen	Active and battery-free pen with changeable pen tips.
Minimal pressure force	0.098 N (10 gf)
Maximal pressure force	7.845 N (800 gf)
Life expectancy of the pen	Approx. 1,2 million signatures at 250 grams pressure and 2,5 cm length.
Pen tilt angle	+/- 45°
Possible height of the pen	5 - 15 mm

Pen attachment	Highly flexible textile-cord and horizontal pen holder.
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Capacitive Touch Sensor

Availability	Optional
Multi-Touch	Up to 10-point multi-touch input.
Confirmation	<10g
Life expectancy	>1 Million touchpoints
Chattering	20ms or less
Active touch-surface	218 x 137 mm
Power consumption	DC 5V max.

Connection types

USB	HID-USB
Serial	No
USB-Standby-Support	No
Ethernet	No

Driver and Software

Driver	Display-driver: https://www.displaylink.com/downloads Driver for pen-input: https://en.signotec.com/service/downloads/drivers/
Plug and Play	Yes
SDK (API)	No
Tools	No
Software	Further chargeable software available.

System environment

Operating System	Windows 7 and newer, 32- and 64-Bit, Linux on demand
Terminal Server and Citrix	No
Citrix Virtual Channel	No

Security mechanisms

Data transfer	AES-256 encrypted data transfer between the monitor-extension and the host.
Encryption	No
Firmware	No
Secure Mode	No
Signature unit	No
Key storage	No
Certificate Signing Request (CSR)	No
Trusted certificates	No
Supported Hash-algorithms	No
signotec „Content-Signing“	No
Protection against forceful break in	No

Miscellaneous

Transport protection	No
Individualization	No
Slideshow	No
Certifications and standards	CE, FCC, DIN EN 60950-1, DIN EN 61000-6-1, EN 61000-6-3, EN 55022, EN 55024
RoHS	RoHS-compliant according to EU-regulations.
WEEE-Reg.-No. (German register for used devices)	DE 41995888
Packaging law Reg.-No.:	DE 3470684644700
Serial number	Unique and retrievable, internal serial number.
Device label	There is a label on the packaging and the device with information regarding the article number, hardware revision and serial number, including a barcode.

Operating- and storage conditions

Operating temperature	-10°C to +45°C
Storage temperature	-25°C to +70°C
Air humidity for operation and storage	<= 90%, non-condensing
Air pressure for operation and storage	> 700 hPa
Degree of protection	IP 52

Reliability / Quality assurance

Quality test	Individual testing of devices with test log.
High temperature test of the components	240 hours at 80°C
Low temperature test of the components	240 hours at - 40°C
Humidity test of the components	240 hours at 60°C and 90% humidity
Thermal shock test of the components	30 minutes at - 40°C and directly 30 minutes at + 80°C (10x in succession)

Article numbers

ST-DEPD-3-U100	signotec Delta Pen Display
ST-DEPDT-3-U100	signotec Delta Touch Pen Display

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