

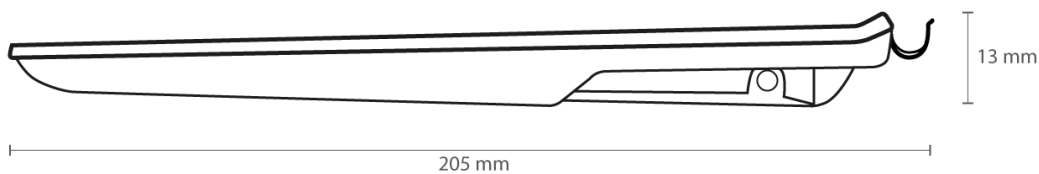
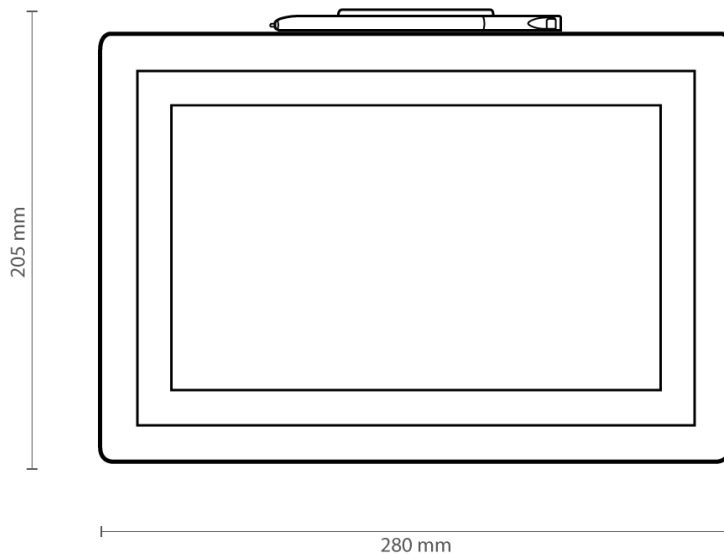
signotec Delta Pen Display

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.
- 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 |
| Stand | VESA-Stand size: 75x75 mm, thermoplastic screws Diameter: 3 mm, max. penetration depth: 6,5 mm |
| 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 | 43.600 x 27.250 pixels \pm 5.103 x 5.089 LPI |
| 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. |

Connection types

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|---------------------|---------|
| 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 10 or newer, Windows Server 2016 or newer (RDP, Citrix), Linux |
| Terminal Server and Citrix | No |
| Citrix Virtual Channel | No |

Security mechanisms

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|--------------------------------------|---|
| Data transfer | AES-256 encrypted data transfer between the monitor-extension and the host. |
| Encryption | 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 | Kensington theft protection possible |

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

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|--|------------------------|
| 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 |
|----------------|----------------------------|

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