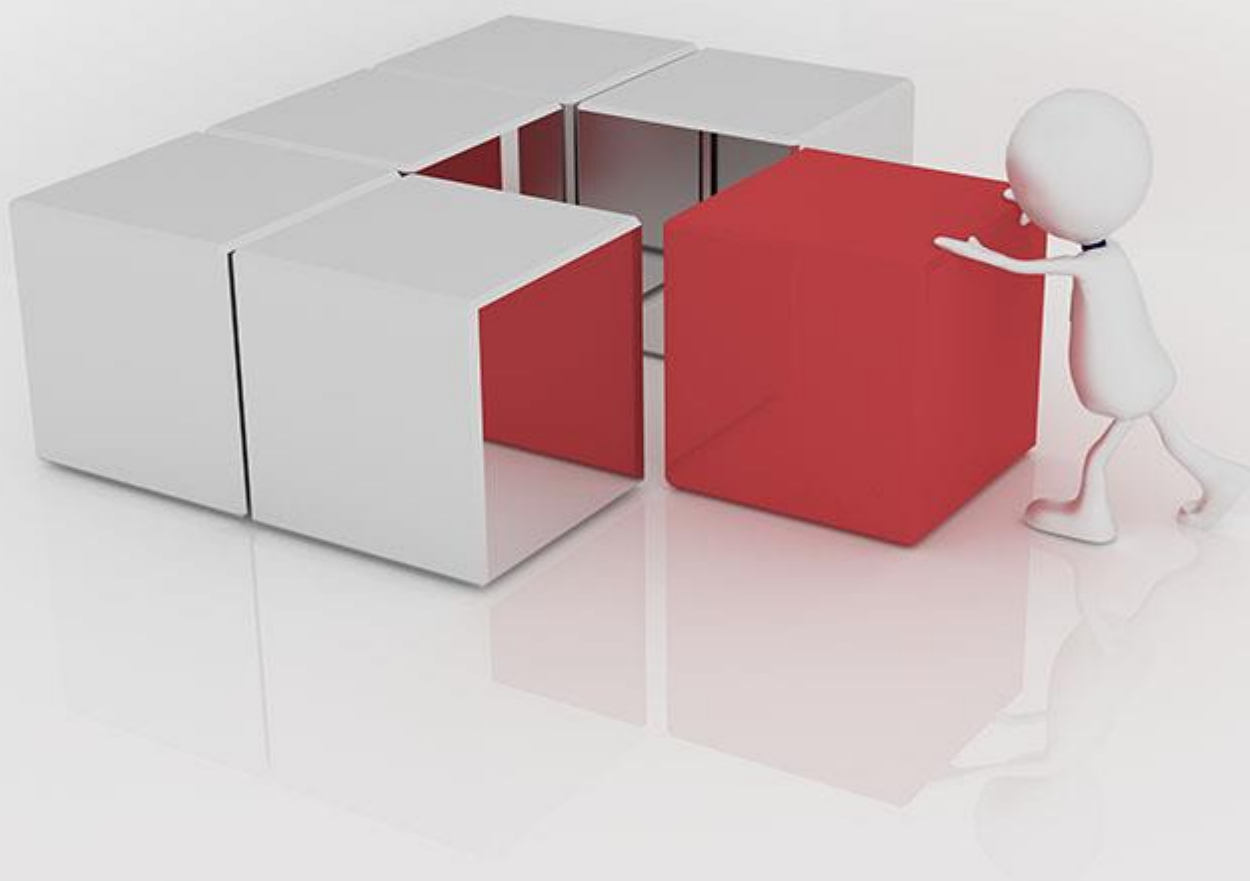


TECHNICAL INFORMATION

naturaSign Pad Light

Step Over
INTERNATIONAL



A BEST SELLING SIGNATURE PAD FOR OFFICE SERVICE

Technical Information for the naturaSign Pad Light

The naturaSign Pad Light, with its black-and-white screen and USB connection, is the official successor to the classic naturaSign Pad I and II, models developed and manufactured by StepOver in Germany that have sold more than one hundred thousand units.

Specific features:

At just one centimeter tall, the naturaSign Pad Light is currently one of the thinnest LCD signature pads on the market worldwide. Thanks to its flat construction, offset sensor surface, and lower placement of the screen - along with the "rotate" button that can be used to rotate the signature pad and wrist-rest surface 180° - for the first time both left-handed and right-handed users can find the optimum position for writing, just like writing in a notebook.



The integrated black-and-white screen shows the signature in real time and can be used to view texts, graphics, parts of a document, and interactive buttons.

The naturaSign Pad Light has a holder in the side for secure storage of the pen during transport, as well as another vertical holder for when the pad is in use. The pen is held on a cord. For safe transportation on the move, this pad is delivered standard in a StepOver protective case.

The highest proof of security on the market

Each naturaSign Pad Light is provided with a unique certificate for the digital signing process (2048 bit RSA private key), with which the internal signature creation unit signs the document in a completely secure way. Furthermore, with this certificate the person examining the signed document can precisely assign the signature to a specific signature pad.

Apart from this, the signature pad processor contains a public key for a second key pair (RSA 2048 bit), generated by a notary public. By means of this key, the biometric data is already encrypted in the pad. This way, highly sensitive information can never be found in decrypted format in an unsafe computer environment (e.g. working space). The private key for this second key pair is safely deposited with a notary public. The unique safety concept of this StepOver signature pad offers the user the highest possible proof of security, since it is the only way to prove a claim that the signature's biometric data was never used for purposes other than intended (e.g., by intercepting and copying the data to another document).

It is not necessary to install a driver for Win7, Win8, Win10 or Linux. The status lights and the screen show the status of the device (off = not connected; orange = ready; green = capturing signature).

The device has two holes in the back that enable it to be secured to a desk or wall. Here you can download the relevant drilling template (mounting holes):




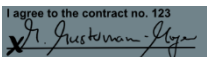
www.stepoverinfo.net/downloads/webseite/drilling-jig-Light.pdf

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Technical data:

Description	Referring to	Value	Measurement
Material	Signature-Pen (Pen)	POM	Material description
Pen	Signature-Pen fastened to casing with spiral cord	Signature-Pen	Name
Material	Casing	Polycarbonate	Material description
Width	Casing	5.91 / 15	inch / cm
Depth	Casing	4.72 / 12	inch / cm
Height	Casing	0.39 / 1	inch / cm
Width	Surface area of sensor and screen	3.94 / 10	inch / cm
Depth	Surface area of sensor and screen	1.18 / 2.9	inch / cm
Width	Active area of screen	3.82 / 9.6	inch / cm
Depth	Active area of screen	0.98 / 2.5	inch / cm
Width	Active area of sensor. (Both sides greater than active area from the screen)	3.86 / 9.8	inch / cm
Depth	Active area of sensor. (Down bigger than active area from the screen)	1.02 / 2.6	inch / cm
Length	Supplied mini USB to USB connector cable (1x).	79 / 200	inch / cm
Weight	Signature pad without cable	ca. 0.33 / 150	lbs / grams
Temporal Definition emitted/real	Groups of 4D coordinates (Each group is made up of the coordinates X, Y, pressure, and time)	500	Reporting rate / 4D samples/sec
Temporal definition of the measurement	Internal reporting rate (samples)	7000	Reporting rate 4D samples/sec (super sample 14 x (14 times greater))
Optical definition emitted/real	Definition of the captured X and Y coordinates (without adding some coordinates to other/without interpolation).	1000	DPI
Accuracy of repetition	Accuracy of repetition in X,Y measurements.	+/- 0.004 / +/- 0.1	inch / mm
Display	X and Y resolution of the built-in transfective graphic (matrix) black-and-white screen. Note: The screen on the pad shows the signature in real time and can be used to display text and virtual surfaces.	320 x 85	pixels
Horizontal viewing angle	Left side / right side	minimum 40° - typically 45°	°
Vertical viewing angle	Front / opposite position	minimum 35° - typically 40°	°
Standard viewing resources	The naturaSign Pad Light can be equipped with the following image resources: <div style="display: flex; align-items: flex-start; gap: 10px;"> <div style="border: 1px solid black; padding: 5px; text-align: center;">  </div> <div> <p>Standby mode: The standby mode shows the manufacturer's logo.</p> </div> </div> <div style="display: flex; align-items: flex-start; gap: 10px; margin-top: 10px;"> <div style="border: 1px solid black; padding: 5px; text-align: center;">  </div> <div> <p>Optional customer logo: For larger projects, the pad can be delivered with a custom black/white logo during standby.</p> </div> </div> <div style="display: flex; align-items: flex-start; gap: 10px; margin-top: 10px;"> <div style="border: 1px solid black; padding: 5px;">  </div> <div> <p>Standard signature mode: The default signature mode displays a signature line and the "rotate" - button for left- and right-handed mode.</p> </div> </div> <div style="display: flex; align-items: flex-start; gap: 10px; margin-top: 10px;"> <div style="border: 1px solid black; padding: 5px;">  </div> <div> <p>Show text in display: In signature mode the text can be adjusted dynamically in the signature software.</p> </div> </div> <p style="font-size: small; margin-top: 5px;">(Documents, signatures, and advertising images are for illustration purposes only.)</p>	-	-
Measurement of pressure	Maximum number of differentiated pressure levels.	512	Levels of pressure
Minimum pressure	Lowest measurable writing pressure.	1	Newton
Maximum pressure	Highest measurable writing pressure.	10	Newtons
Connection	Standard Mini-USB.	Plug	-

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Energy use	Low power consumption helps the environment and extends the battery life of notebook computers.	>100	mAh
Type of transmission	Encrypted HID. This device does not require a hardware driver. It is directly recognized by Windows/Linux similarly to a mouse or keyboard.	USB/HID	USB 2.0 (USB 1.1 compatible)
Encryption algorithm	Name of the standard cryptographic algorithm used for data transfer.	RSA 2048 bit AES 256 bit	-
Working temperature	Temperatures at which the pad will function according to what is specified here.	32 to +122 / 0 to +50	°F / °C with a max. of 90% RH without condensation
Storage temperature	Temperatures at which the device can be transported and stored.	-14 to 176 / -10 to +80	°F / °C with a max. of 90% RH without condensation
Meets	Certificates / licenses	FCC	-
Quality control measures for each device	Quality control and safety tests for all devices. The test protocols are linked to the serial number of the device and the coded initials of person who carried out the tests, and are available, free of charge, for our clients on request.	Testing of each device: Operation and margin for error in measurements	1/1
General quality control measures	Selection of component providers and documented production cycles. StepOver GmbH only works with ISO certificated providers and works according to ISO regulations.	EN ISO 9000 ff	-
Identification / serial number	Each signature pad of this type has been given a unique serial number. The serial number can be found from the device's firmware and read on the display after insertion. There is also the option to add the serial number in figures for projects over 500 units and attach it as a barcode on the back of the device (subject to cost).	Code 39	Barcode type (Optional / Subject to surcharge - only when ordered ex works)
Recycling	This product can be almost entirely recycled. The parts, such as the casing, etc. are marked with information about the materials used.	WEE-Registration Number	DE 27870259
Protecting the environment	The use of the signature pad saves paper.	CO ₂ neutral emissions	-
Manufacturer	StepOver International	StepOver International GmbH Otto-Hirsch-Brücken 17 70329 Stuttgart Germany	Address
Country in which it is produced	Country in which the development, manufacture and quality control takes place.	Germany	Made in Germany using German and imported parts
Accessories included	Standard accessories.	Mini USB cable, Instruction manual in multiple languages, Protective case	Per 1 unit
Order number	SOI article number.	SOI	130060848

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Original product:



Important note:

Use of this product is limited to the intended purpose.
Use for electronic signing only.

Be aware that this product may have small parts that may be harmful or fatal if swallowed. It can be dangerous if thrown, broken or handled carelessly.

Keep away from children and infants. Pay attention to the instructions and warnings written in the manual and on the device. This product is intended for use in the United States of America.

This product is protected by intellectual property rights and national and international patents.

We reserve the right to make technical changes that result in an improvement in the functioning of the device.

All names and trademarks are property of their respective owners.

The content and structure of this documentation are protected by copyright. The use of information, data, and especially of images, texts or sections of text without the express permission of StepOver International GmbH is not permitted.

It is important to follow the indications given in the operating and safety instructions. The operating instructions can be found in the following electronic manual at www.StepOverInfo.net/MAN.

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