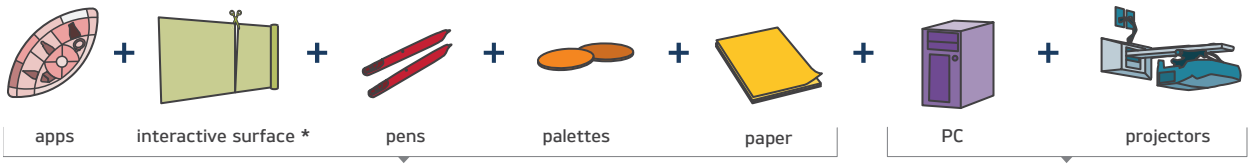
we-inspire product specifications

This document provides an overview of the software and hardware components of the we-inspire system.



* see mounting requirements

we-inspire apps

This section provides an overview of the different we-inspire software applications. By default, the applications are offered as part of complete packages and might not be available as a stand-alone product.

we-inspire core software

we-inspire core is the key software component that enables the use of the digital pens. It is needed for every installation.

we-inspire core ™	**we-inspire core** provides all pen connections and calibration, and coordinates the control of any Windows® application by emulating Windows® mouse or touch events. The we-inspire core application is offered in different configurations, supporting up to 4 screen setups out of the box. For setups with more than four (4) screens and direct access to the pen events (for custom software development), specific versions of the core application are available upon request. For special project-requests please contact support@we-inspire.com for more information.

we-inspire apps

we-inspire apps are software applications specifically designed for collaborative work on the we-inspire surface.
All we-inspire applications support multiple users and can be used on a single screen or spanning the entire wall, to create a large, seamless canvas for your thoughts and ideas.

we-inspire sketchboard ™	**we-inspire sketchboard** allows your thoughts and ideas to come to life effortlessly on a large surface display. You can draw, write and modify as well as add photos and insert screenshots from any other software or application on your computer. With sketchboard you will never run out of ink nor drawing space. You can combine notes, sketches and pictures to create strong, personal presentations, mood-boards, timelines or project overviews. Plus, the beautiful vector based ink is captured with sub-pixel accuracy, ensuring your thoughts and ideas maintain their original form as they are expanded and manipulated within the collaborative session.
we-inspire pinboard ™	**we-inspire pinboard** will increase the speed and quality of your collaborative sessions. Use the application to create mind-maps which show relationships between your ideas. Create digital post-it® type notes, and incorporate images from different sources. Draw arrows between them, or group them to express how they relate to one another. Already established connections will be maintained if you shift things around, allowing you to freely restructure your ideas as your mind-map grows. Additionally, pinboard can connect with the other we-inspire applications so that you can utilize content from the write, sketch, and capture applications.
we-inspire paper ™	**we-inspire paper** enables everyone to get started right away by simply picking up a pen and paper. Make notes or sketches and share them with your team on the we-inspire surface in real time as your content is automatically digitalized and captured in vector format. The results can easily be saved as PDFs or copied into other applications for further use. And the best thing—for off site remote collaboration the pen stores up to ten pages in its internal memory: perfect for taking your brainstorming to the nearby park or café.
we-inspire capture ™ (capture card needed)	**we-inspire capture** lets you present and capture content from your own laptop, tablet, iPad® or iPhone® without the need to install any special software. Connect either via cable or wirelessly using Airplay (Apple TV required, not included) and share your screen on the we-inspire wall. You can easily bring content and images into brainstorm and sketch to keep building on your thoughts and inspiring ideas.

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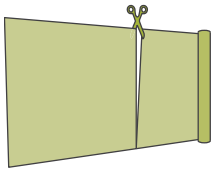
we-inspire hardware

This section provides an overview of different we-inspire hardware components. Typically, these hardware components are offered as complete packages and might not be available as a stand-alone product. Some hardware components might be offered through 3rd parties. Please visit www.we-inspire.com/showrooms to schedule a live-demo or contact sales@we-inspire.com.

we-inspire interactive surface

The interactive surface is a thin, rollable film with printed Anoto pattern that enables the localization of digital Anoto pens on the surface and doubles as a high quality projection surface. The surface might be offered with different mounting options (self-adhesive, magnetic). The surface does not contain any electronics and can be cut to the desired screen-size using a sharp cutter.



surface	matte, scratch resistant laminate with printed Anoto pattern
color	light gray
installation	self-adhesive/magnetic
size (w x h)	max. 12.0 m x 1.2 m
cleaning	standard cleaning materials (e.g. window-cleaner), white eraser to remove ink
mounting requirements	The we-inspire interactive surface is a thin, self-adhesive film that has to be mounted on a dry, flat surface (e.g. a wooden board). The film cannot be attached directly on a dry-wall. For additional information what surfaces to use please see “board requirements” section below.

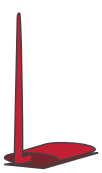
Anoto Digital Pen

The Anoto Digital Pen (www.anoto.com) uses an embedded camera to read a special grid (Anoto pattern) which can be printed on various surfaces. we-inspire’s interactive surfaces use this unique technology to make the wall-surface, traditional paper as well as our physical tool palettes interactive. The pen is battery-powered and connects to the PC via Bluetooth.

connection type	Bluetooth 2.0 HID
battery	Li-Polymer
charging method	micro USB charging (cable included)
battery life	~ 7 hours of continuous use
battery standby	~ 60 hours
pen tip	user replaceable plastic/ballpoint tip
resolution	680 dpi
sampling rate	75 Hz
weight	25 g
dimensions	153.6 x 15.5 x 15.5 mm
internal storage	32 Mbit (for offline use, allows for ~ 30min of normal writing)

we-inspire bluetooth receiver

The we-inspire system includes an industry-grade Bluetooth receiver to ensure fast and reliable connections of up to 7 pens simultaneously.



type	Bluetooth 2.1+EDR with 802.11 tolerance (AFH)
antenna	omni-directional antenna with 3dBi gain included
power	mini USB, 5V, 300mA
no. of pens	up to 7 per Bluetooth receiver
range	up to 300 m

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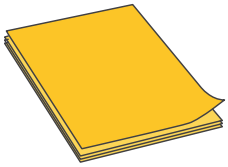
we-inspire palettes

The unique we-inspire palettes make it easy for anyone to get started with the system. Inspired by a traditional artist-palette, you can simply switch colors and tools by tapping the pen directly on the palette. Different toolsets for both novices and experts are available to get the features you need.

material	acrylic disc with printed Anoto pattern
dimensions	90 x 90 x 5 mm

we-inspire paper

The we-inspire system seamlessly integrates the use of traditional paper. we-inspire's software allows you to print the unique Anoto pattern on a normal sheet of paper using your own laser printer. You can instantly digitize any notes taken with the Anoto Digital Pen. Notes and sketches will be digitized in real-time and in high-resolution vector format for you to save or modify in other applications. Paper integration also works offline—perfect for breakout sessions.



paper type	standard laser printer paper
paper format	A5, A4, A3 Letter, Legal Post-It
page count	100 unique pages included with paper application
file download	PDF download link available directly through paper application
printing	instructions available directly through paper application

we-inspire requirements

PC requirements

The we-inspire system is driven by a single dedicated workstation with Windows®, typically using a single graphics card to connect to the projectors via HDMI.

CPU	Intel Core i7 or Xeon (min. 3.00 GHz)
HDD	min. 250 GB (SSD recommended)
memory	min. 4GB DDR3 (8GB recommended)
graphics	dedicated graphics card DirectX 11 or higher, video memory: min. 1GB (4GB recommended) 1–2 projectors: Memory interface: min. 128bit (192 recommended) 3–4 projectors: Memory interface: min. 192bit (265 recommended) 1 digital output **for each projector** (DVI/HDMI/DP) + adapters to HDMI **Warning**: Matrox cards are not supported!
operating system	Windows 7 (32 or 64 bit) or Windows 8 (32 or 64 bit) or Windows 8.1 (32 or 64 bit) or Windows 10 (32 or 64 bit)
connectivity	min. 3x USB 2.0, RJ45 (LAN)
capture hardware (optional)	1x Datapath VisionRGB-E2S (PCIe x4) - Capture Card Requires one free full size PCIe x4 slot!
example configuration	HP Z440: CPU: Xeon E5-1620 v3 HDD: 512 GB SSD memory: 8 GB graphics: 1-3 projectors: 1x Nvidia Quadro K4200 (2x DP, 1x DVI) 3-4 projectors: 1x Nvidia Quadro K5200 (2x DP, 2x DVI) 2x Active DisplayPort (m) to HDMI (f) Adapter 1x or 2x DVI to HDMI (f) Adapter OS: Windows 8.1 Pro x64

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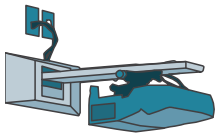
projector requirements

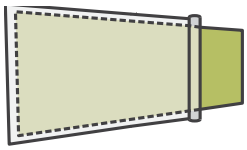
By combining multiple ultra-short throw projectors it is possible to create a high-resolution, large scale display surface without any physical borders or gaps, enabling a truly seamless interactive surface with an unparalleled size/cost ratio.



projection type	front projection
projector type	ultra-short throw projectors
throw ratio	max. 0.4
brightness	min. 2800 Lumen
video input	digital input (HDMI) recommended
no. of projectors	up to 4 projector (more on request)
resolution/projector	min. 1280 x 800 pixel/projector or higher
mounting	wall or ceiling
examples	e.g. NEC UM330W, Epson PowerLite 585W, Vivitec D7180H
important	The brightness of the projectors with traditional light-sources will gradually decrease with age. Some projectors might show slight variations in color and picture uniformity. Projectors/projector mounts might gradually shift and require recalibration, especially in environments with wall vibration caused by traffic, air conditioning, doors, etc.

board requirements

For mounting the we-inspire surface a dry, flat surface (e.g. a wooden board) is needed that provides a stable, flat base for the projection screen.



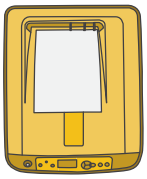
board type	The board needs to have a flat, clean (dry & fat-free) surface and needs to be hard and stable enough for people to write on. Different materials like wood, melamine, HPL, plexi-glass, corian, composite (e.g. alucobond) or metal surfaces can be used. This enables many customization options.
multiple boards	If multiple boards are required to achieve the desired wall size it is important make sure that all boards line up perfectly and are completely flush. Close gaps between boards (e.g. using polyester filler and spatula) and sand down any uneven parts. Make sure that no screws stand out and the surface is clean (no dust e.g. from sanding) before applying the film.
board size	The board size depends on the number of projectors, the aspect-ratio of each projector and whether or not edge-blending is used.

Typical sizes:	16:10 aspect ratio	16:9 aspect ratio
1 Screen	112,5cm x 180cm	112,5cm x 200cm
2 Screens	112,5cm x 360cm	112,5cm x 400cm
3 Screens	112,5cm x 540cm	112,5cm x 600cm
4 Screens	112,5cm x 720cm	112,5cm x 800cm

For more information please also refer to the “we-inspire - board sizes and location checklist” document.

printer requirements (for printing we-inspire paper)

It is possible to use most standard printers to print additional we-inspire pages.



type	color laser printer
resolution	min. 600 dpi
driver	Postscript (PS) drivers
settings	print with quality/resolution setting set to high print in “actual size” (some cropping might occur—no scaling!) deactivate any “Image optimization features”
examples	e.g. OKI C610

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