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Novo Ecosystem
Simple. Guaranteed.

Wireless Collaboration & Digital Signage
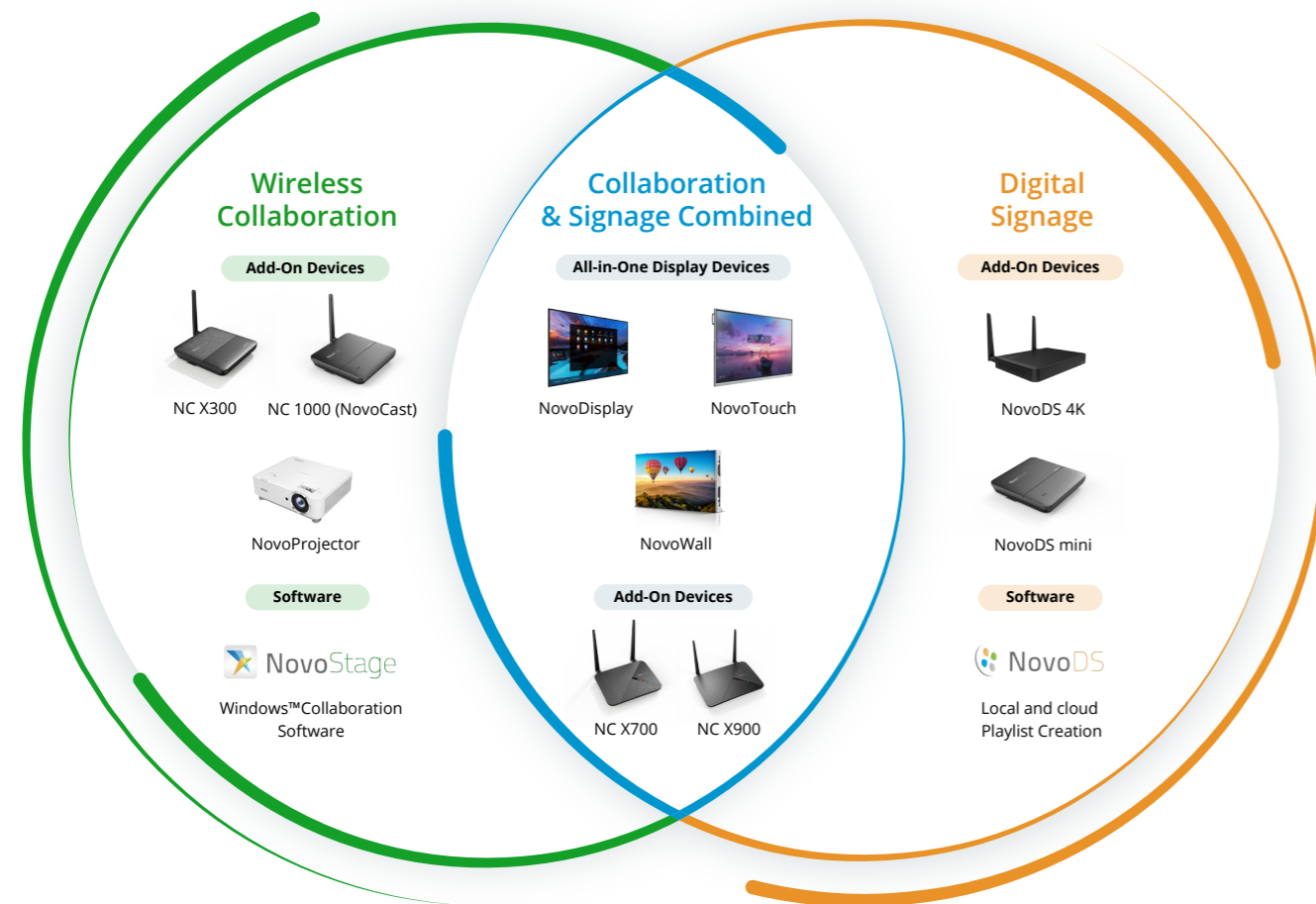
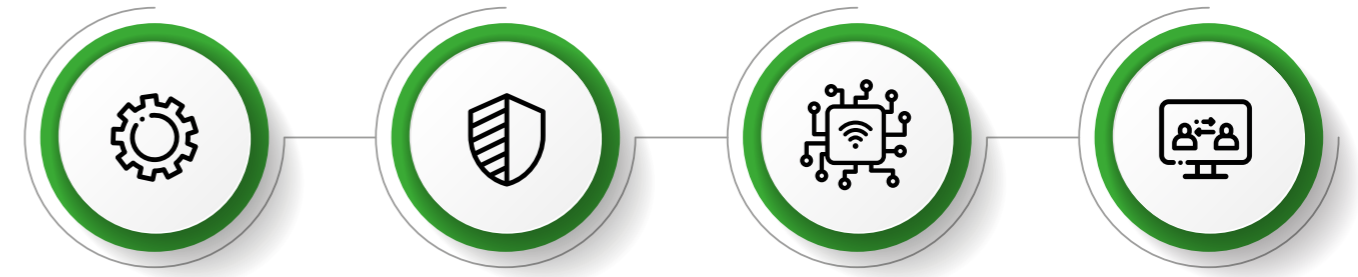COLLABORATION SOLUTIONS | DIGITAL SIGNAGE | DISPLAY SOLUTIONS

Novo Ecosystem

Novo Ecosystem is the most comprehensive choice for Wireless Collaboration & Digital Signage designed for large format display devices.

Wireless Collaboration

Add-On Devices

NC X300

NC 1000 (NovoCast)

NovoProjector

Software

NovoStage

Windows™Collaboration Software

Collaboration & Signage Combined

All-in-One Display Devices

NovoDisplay

NovoTouch

NovoWall

Add-On Devices

NC X700

NC X900

Digital Signage

Add-On Devices

NovoDS 4K

NovoDS mini

Software

NovoDS

Local and cloud Playlist Creation

Wireless Collaboration and Digital Signage solutions are based on four principles.

Simplicity

Simplicity is our first principle, the user experience our main priority.

Security

Advance security features, AES-256 encryption and are compliant with ISO 27001 international standard.

Integration

Effortless integration into existing infrastructure.

Centralisation

All NovoConnect and NovoDS products can be centrally controlled with the remote manager software.

Novo Ecosystem for Businesses

The most simple and secure way to realise Wireless Collaboration and Digital Signage throughout the company, is with Vivitek's Novo Ecosystem. It offers a tailor made solution for every room. Our wireless collaboration and digital signage solutions helps to boost meeting productivity and communication without compromising security. Benefit from the seamless transition between wireless collaboration and switch to digital signage and communicate bulletin board information through the same displays.

Executive Office
NovoTouch + Launcher
BYOM

Meeting Room
NC-X300 + Launcher
NovoStage + Windows Display

Boardroom
NC-X900 + Launcher
NovoProjector

IT Department
Integration, Centralization
and Security of all devices

Cafeteria
NovoDisplay

Corridor Area
NovoWall

Reception Greeting Area
NovoDisplay

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Wireless Collaboration & Video Conferencing

Enjoy better participation and engagement from meeting participants by wireless connecting up to 64 users simultaneously, with four of them able to present on a split screen display. Share notes and even invite participation through video conferencing. NovoConnect will take your meetings and brainstorm sessions to the next level.

MEETING ROOMS

NovoConnect will transform an ordinary meeting into a creative and dynamic collaboration session by allowing easy connection and presentation to the main screen from any mobile device.

HUDDLE SPACES

Meetings don't always require a dedicated room. With NovoConnect, you just need a display on the wall to create a perfect huddle space for quick brainstorm sessions.

CONFERENCE ROOMS

When the whole office comes together, the NovoConnect solution will ensure that everyone can connect and collaborate easily with up to 64 participants.

EDUCATION

The NovoConnect offers an education mode for the teacher to moderate the lecture and choose who can share their screen.

Features and Benefits

Wireless content sharing from laptop, tablet or smartphone to the central screen.

Screen duplication to multiple locations over the network.

Split screen allows for four participants to present simultaneously.

Annotate and highlight your discussion points in real time.

Dynamically switch between participants' screens.

Moderator function helps the meeting host remain in control of the meeting agenda.

Up to 64 participants can be connected.

Compatible with Bring Your Own Meeting (BYOM).

Add-On Devices NovoConnect

The NovoConnect Wireless Collaboration devices are ideally suited to those who already have a screen or a projector, but wish to enhance or extend their existing AV infrastructure with wireless presentation functionality, or maximise their screen use with digital signage.

	NovoCast	NC-X300	NC-X700	NC-X900
Application Edition	Education	Corporate	Corporate/ Education	Corporate/ Education
BYOD Compatibility (Windows, macOS, Ubuntu, Androi, GoogleCast, iOS/AirPlay)	•	•	•	•
BYOM Compatibility (Windows, macOS)			•	•
Simultaneous Connections	40	8	64	64
Simultaneous On-screen	1, 2, 3, 4	1 or 2	1, 2, 3, 4	1, 2, 3, 4
Screen Mirroring	iOS, GoogleCast	iOS, GoogleCast	Miracast- Win 10, iOS, GoogleCast	Miracast-Win 10, iOS, GoogleCast
Split-View	Quad Split-View	Dual Split-View	Quad Split-View	Quad Split-View
AirPlay Discovery Enhanced			•	•
Meeting ID		•	•	•
Screen Duplication Over The Network			1-way (NT Receiver)	2-way (NT Sender & Receiver)
Data Encryption AES-256	•	•	•	•
ISO 27001	•	•	•	•
Remote Management	•	•	•	•
Over-the-air Software Upgrade	•	•	•	•
Software APIs for System Integration			•	•
HDMI Input (1080p)				•
Power Over Ethernet (PoE)				•
Display Resolution	1080p	1080p	4K-UHD	4K-UHD
Optional Launcher	yes (moderator)	•	•	•
Digital Signage			•	•

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All-In-One Solutions

Vivitek offers the most complete all-in-one display solutions with wireless collaboration and digital signage. Catering for the needs of both corporate and education users, the collaborative panels offer wireless presenting, video conferencing and a seamless switch to the signage mode. Additionally the touch panels come with an interactive whiteboard function. For those who want to combine wireless collaboration capabilities and a big image up to 300" diagonal, the NovoProjector is the perfect choice.

	NovoProjector	NovoDisplay	NovoTouch	NovoWall
Application	Education/ Corporate	Retail/ Education/ Corporate	Education/ Corporate	Corporate
Screen Size	100"-300"	43", 55", 65", 75"	65", 75", 86"	110" (1.2mm) 137" (1.5mm) 220" (UHD 1.2mm)
Wireless Collaboration	·	·	·	·
Digital Signage		·	·	·
Display Resolution	1080p	4K-UHD	4K-UHD	1080p (110", 137") 4K-UHD (220")
Screen Mirroring	iOS, Google Cast	Windows-Miracast, iOS, Google Cast	Windows-Miracast, iOS, Google Cast	iOS, Google Cast
Video Conferencing	BYOM Compatible	BYOM Compatible	BYOM Compatible	NA
Screen Duplication Over the Network	1-way (NT Receiver)	2-way (NT Sender & Receiver)	2-way (NT Sender & Receiver)	1-way (NT Receiver)
Remote Manager	·	·	·	·
Over-the-Air Software Upgrade	·	·	·	·
Optional Launcher	LauncherPlus, LauncherOne	LauncherPlus, LauncherOne	LauncherPlus, LauncherOne	LauncherPlus, LauncherOne

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Wireless Collaboration NovoStage

NovoStage is the wireless collaboration software for Windows users that will turn any Windows device into a collaboration platform that enables multiple screens presenting to the main display. It is ideal for information sharing and creates a collaborative meeting environment by combining video conferencing and content from Windows computers, tablets or smartphones. NovoStage is an agnostic platform that provides support for all operating systems and facilitates a full BYOD!

BUSINESS

Create a collaborative meeting environment with any Windows-based flat panel displays.

EDUCATION

NovoStage on a collaborative panel gives students the opportunity to participate in a discussion by sharing their device.

WORKSHOP

With NovoStage on the trainer's laptop, it is easy to collaborate on-the-go, where the laptop serves as the core of the collaborative environment.

Features and Benefits

Up to four participants can be connected simultaneously.

Floating screen with quick layouts.

4K Instant 4K screen mirroring.

Connections through NovoConnect App, Software, web portal or Airplay®.

The moderator feature allows control of the meeting.

AES-256 encryption, and compliant with ISO 27001 international standard.

NovoStage

Technical Specification	Mirroring Resolution	Maximum 4K
	Audio and Video Encoding	AAC & H.264
	Security	AES 256 bit encryption *
	Bandwidth	2MB to 20 MB
Operating System	Windows™ 10/11	
System Requirements	PC	Processor	Intel® Core™ i5
		RAM	8GB
		SSD	SATA 128GB
		Graphics	Intel® HD graphics
		Networking	Ethernet 10/100 Mbps or WiFi 802.11 AC
	OPS	Processor	Intel® Core™ i7
		RAM	8GB
		SSD	256GB
		Graphics	Intel® HD graphics
		Networking	Ethernet 10/100 Mbps or WiFi 802.11 AC

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Bring Your Own Meeting

Vivitek offers a BYOM driver as an upgrade to enable Novo devices to manage USB connected In-Room peripherals i.e. In-Room camera, microphone and speaker to expand the capabilities of the NovoConnect Solution.

BUSINESS

Enhance your video conferencing experience from your personal device by leveraging AV peripherals in meeting rooms.

EDUCATION

Educational institutions can create a student-centric learning experience in a hybrid environment with BYOM.

Features and Benefits

Upgrade your existing NovoConnect device and enable BYOM.

Support HID USB AV devices, cameras, microphones and speakers.

Available for Windows and Mac users.

Remote control function: Windows, macOS, iOS, Android, Ubuntu.

No additional hardware is required or needs to be purchased.

Seamlessly connect to In-Room AV devices.

Two ways to Enable BYOM

Connect to the AV In-Room peripherals with NovoConnect software, Mobile App or the remote manager. No additional hardware is required.

NovoConnect Software

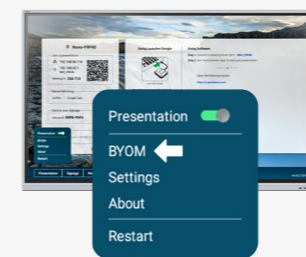**Remote Manager**

Supported Model

Download BYOM Driver:
https://www.launchnovo.com/index/dsa

NC-X700

NovoTouch

NC-X900

NovoDisplay

Three Steps to Enable BYOM

Presentation
BYOM
Settings
About
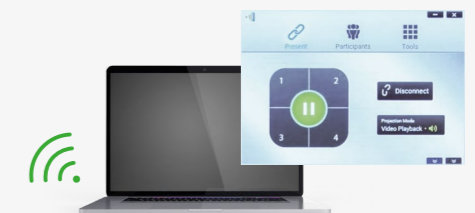Restart

HDMI

1. Select "BYOM"

2. Connect AV devices to Novo devices

3. Toggle "camera" icon on NovoConnect Software or Remote Manager Select "In-Room Camera" from VC Apps

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Direct Wireless Presenting Simple and Easy to Connect

SOFTWARE AND APP

Wireless screen sharing and collaboration from desktop, laptop/mobile devices.

LAUNCHER

The NovoConnect LauncherPlus is an USB plug-and-play device, which mirrors the laptop content to the main display to start the wireless presentation instantly. Ideal for guests that don't have the NovoConnect software installed on their PC or Mac.
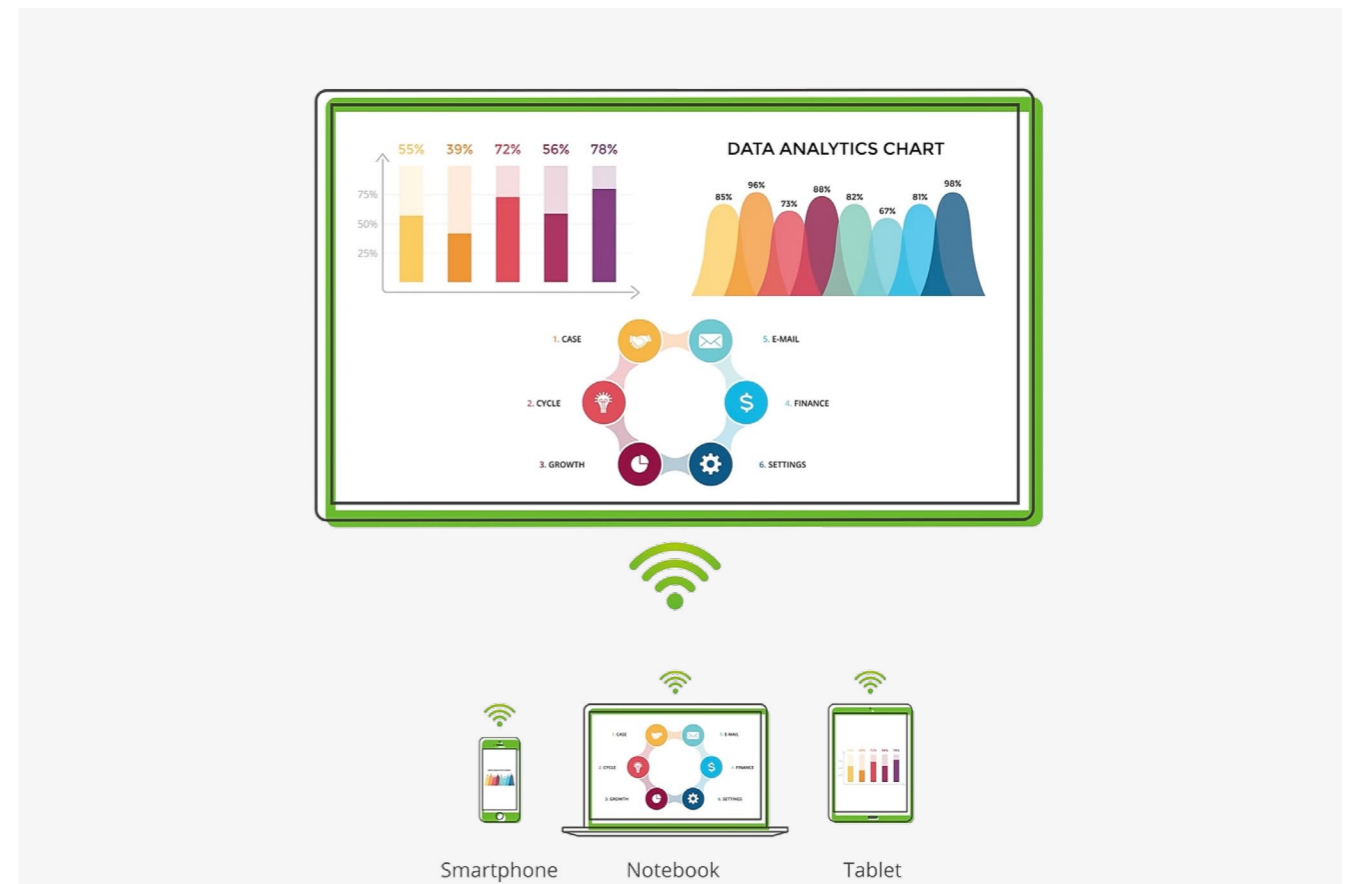

WEB BROWSER

Instantly connect via the web browser to wirelessly share and collaborate your laptop screen.
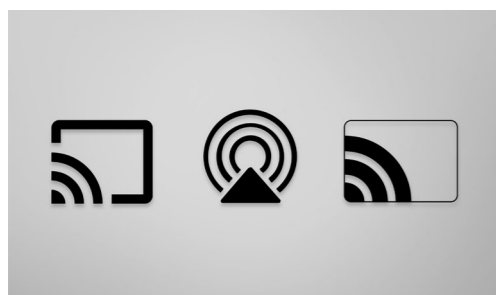

NATIVE SCREEN MIRRORING

Direct mirroring from Windows Miracast/iOS Airplay/Google Cast.

Smartphone   Notebook   Tablet

iOS mirroring

Chromecast

Miracast

Digital Signage

NovoDS digital signage media players are ideal to integrate with existing infrastructure. Create and manage your content from our powerful and easy to use software, NovoDS Cloud or NovoDS Studio. Choose between private or public cloud to take control of your digital signage deployment! Features like people counting widgets, bulletin boards and designer templates gives you a complete solution for your digital signage needs.

NovoDS CLOUD BASE DIGITAL SIGNAGE SOLUTION

NovoDSCLOUD

Location 1
Location 2
Location 3
Location 4
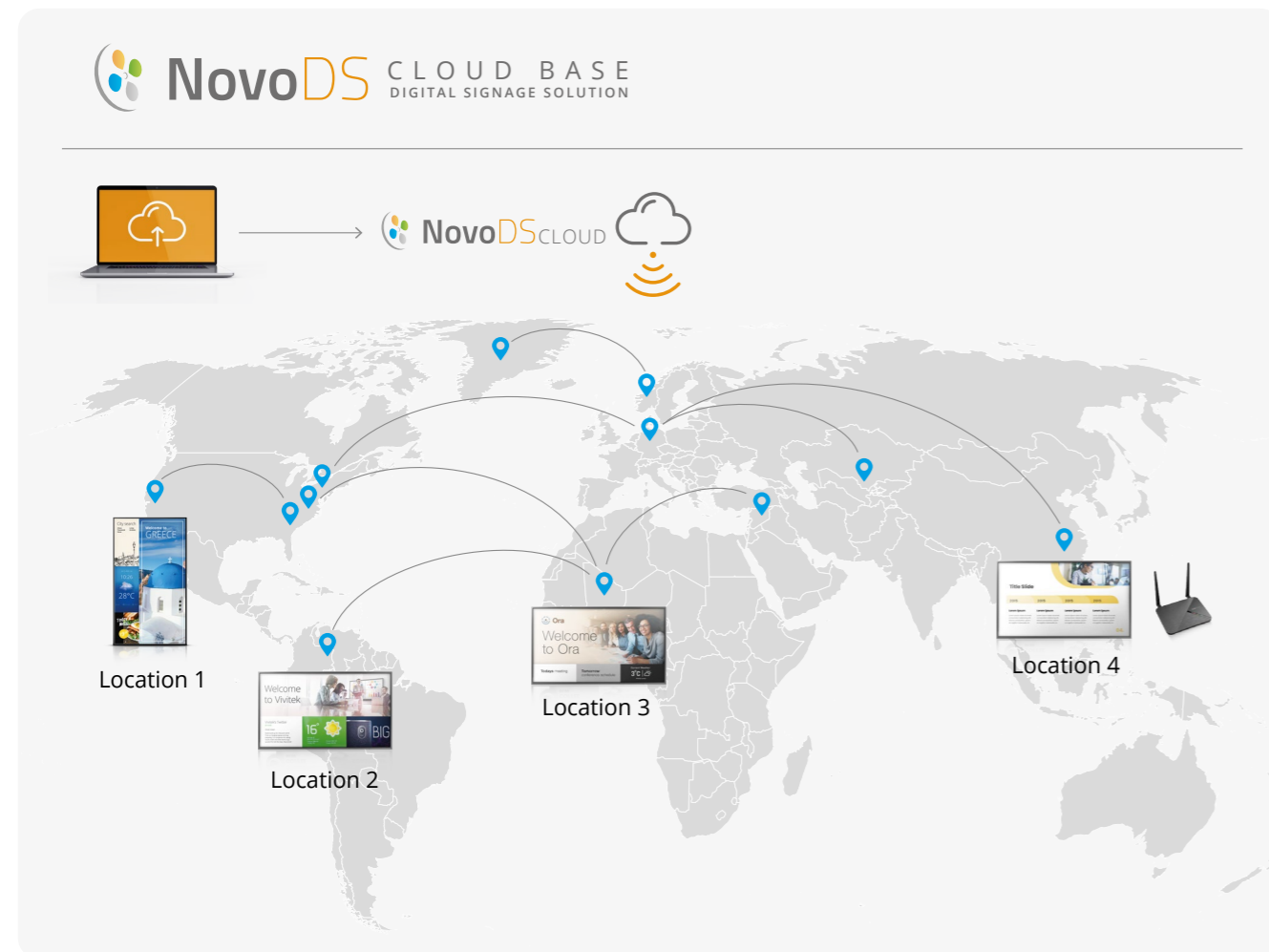
Features and Benefits

Easy signage content creation with predefined or flexible templates. No programming skills are required.

Create playlist schedule daily, weekly or monthly.

User-friendly interface for signage content creation.

Centralized device management allows administrators to access, update, and operate NovoDS devices groups across an entire network.

Support for a wide range of dynamic content, from text, audio, photos, video to webpages, Calendar, Twitter, RSS, weather, IP streaming, YouTube, ad etc.

Developers can use API to manage playlists, device settings and monitor device operations.

People Counting Widget for public spaces to monitor and manage people occupancy.

NovoDS Studio
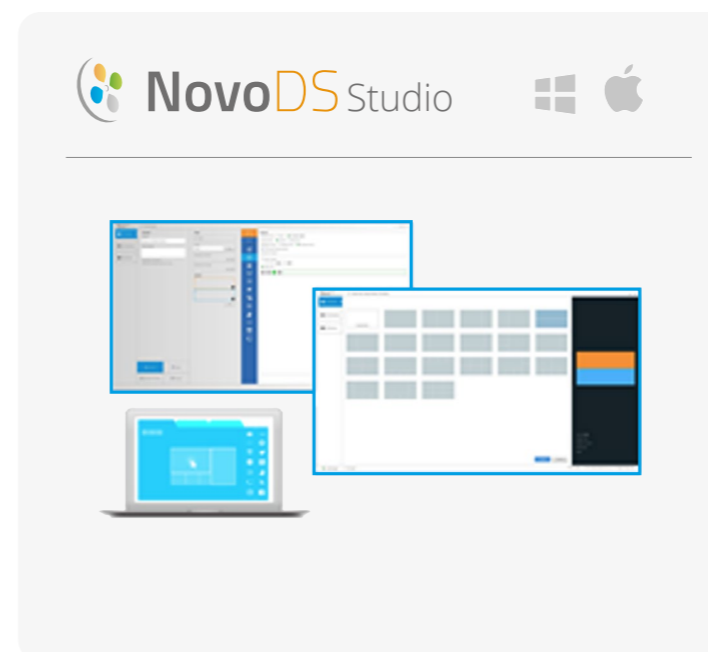
NovoDS Cloud

A cloud based service enabling device and content management of NovoDS players over the Internet.

- Access from anywhere
- Role-Based access control
- Two deployment options

Digital Signage Player

Vivitek's Digital signage solution includes media players and displays. Turn any display into a signage with our range of media players. Create content such as text, photos, audio videos and webpages and deploy it over the network, using a microSD card or NovoDS cloud.

RECEPTION AREA

Employ digital signage for the reception area in a business office or hotel lobby to provide key information to your guests.
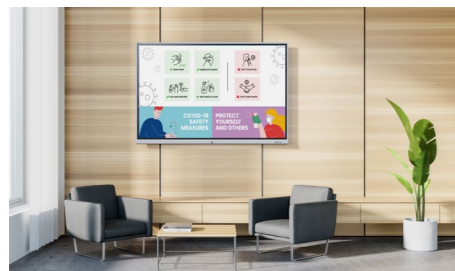
BUSINESS SETTING

Digital signage boards make it easy to communicate and deliver crucial information, such as way finding, meeting schedules, project status, or to promote a company's brand, mission and vision.

STUDENT OR TEACHER LOUNGE

Use the digital signage feature to communicate after-school programs, emergency updates, sporting events, or weekly lunch menus.

	NovoDSmini	NovoDS4K	NC-X700	NC-X900	NovoDisplay	NovoTouch
Display Resolutions	1920 x 1080 (16:9, 1080p at 60 fps); 1280 x 720 (16:9, 720p at 60 fps)	3840 x 2160 (16:9, 4K-UltraHD at 30 fps); 1920 x 1080 (16:9, 1080p at 60 fps); 1280 x 720 (16:9, 720p at 60 fps)	4K-UHD (3840 x 2160), 1080p (1920 x 1080), 720p (1280 x 720)	4K-UHD (3840 x 2160), 1080p (1920 x 1080), 720p (1280 x 720)	4K Ultra-HD (3840 x 2160)	4K Ultra-HD (3840 x 2160)
Panel Size					43",55",65",65",86"	65", 75", 86"
Output Orientation		Portrait, Landscape (1)		Portrait, Landscape (1)	Portrait (2)	Landscape
Media Formats Supported		Images: JPEG, PNG, BMP Video: MP2, MP4, 3GP, AVI, MOV, WMV Audio: MP3, WMA, AAC			Images: JPEG, PNG, BMP Video: MP2, MP4, 3GP, AVI, MOV, WMV Audio: MP3, WMA, AAC	
Input / Output Ports	HDMI Output, Audio Output Jack, USB 2.0 Type A, microSD Card Slot, RJ45, DC Power Jack	HDMI Input, HDMI Output, Audio Input Jack, Audio Output Jack,USB 2.0 Type A (x 2),microSD Card Slot, RJ45 with PoE; RS232 Jack,DC Power Jack	Ethernet RJ45, USB Type A x 1, USB Type C x 1, RS-232 jack, DC Jack Power-In, HDMI-Out Audio-Out (3.5mm jack)	Ethernet RJ45 (PoE), USB Type A x 1, USB Type C x 1, HDMI-In, Line-In 3.5mm mini jack, RS-232 jack, DC Jack Power-In, HDMI-Out, Audio-Out (3.5mm jack)	HDMI-In x1, USB 2.0 x1 (Support up to 32GB), USB 3.0 x1,USB- C x1 (Support Display Out), RJ-45 x1, Audio-Out (3.5mm)x1, RS-232 x1	HDMI v2.0, VGA-In Audio Audio-In (3.5mm) Output Display HDMI-Out v2.0 Audio Audio-Out (3.5mm), SPDIF-Out Internet LAN (RJ45) Control RS232-In HDMI v2.0, VGA-In ,Audio-In (3.5mm), Audio-Out (3.5mm), SPDIF-Out, LAN (RJ45), RS232-In, USB 2.0, USB 3.0, USB Type B (For Touch Port), USB 2.0
Storage	Internal: 8 GB (5.1 GB available for users) External: microSD Card Slot (Up to 32GB), USB Flash Drive	Internal: 32 GB (29 GB available for users) External: microSD Card Slot (Up to 32GB), USB Flash Drive	Internal: 16 GB, External: microSD card	Internal: 16 GB, External: microSD card	External: microSD Slot x1(Support up to 32GB),	Internal: 16GB (eMMC Flash) (About 9GB User Availability), External: microSD Slot x1(Support up to 32GB),
Network Connectivity	Ethernet: 10/100Mbps	WiFi: 802.11 AC (2.4 GHz & 5 GHz) Ethernet: 1 Gbps	802.11ac, b/g/n, 2.4GHz & 5GHz 2T2R with 2 external antenna	802.11ac, b/g/n, 2.4GHz & 5GHz, 2T2R with 2 external antenna Dual WiFi modules (one dedicated for Miracast)	802.11ac, b/g/n, 2.4GHz & 5GHz, 2T2R with 2 external antenna Dual WiFi modules (one dedicated for Miracast)	802.11ac, b/g/n, 2.4GHz & 5GHz, 2T2R with 2 external antenna Dual WiFi modules (one dedicated for Miracast)
Power Supply	100 - 240V AC, 50/60 Hz, DC output: 5V@2A.	100 - 240V AC, 50/60 Hz, DC output: 5V@2A. Power over Ethernet (IEEE 802.3af)	Input to AC adapter: AC 100-240V, 50/60Hz. Output from AC adapter: 5V/3A	Input to AC adapter: AC 100-240V, 50/60Hz. Output from AC adapter: 5V/3A	AC 100-240V, 50/60Hz	
Power Consumption	<10W	<10W	15W	15W	43"& 55"≤140W 65"≤170W 75"≤380W 86"≤450W	65"-300W 75"-400W 86"-4500W
Weight	178g	253g	270g	446g	43"-9Kg 55"-15Kg 65"-28.5Kg 75"-41Kg 86"-77Kg	65"-41.4Kg 75"-55.3Kg 86"-70.8Kg
Dimensions (L x W x H)	100 x 100 x 20 mm	152 x 113 x 22.5 mm	151 x 117 x 24.7 mm	195.8 x 139.8 x 28 mm	43"-969.9 × 558.3 ×84.8 55"-1,243.2 ×714 × 69.6 65"-1,476.7 x 851.7 x79.8 75"-1,714.2 × 992.4 ×97.2 86"-1,926.6 x 1,103.6 x 79.6	65"-1,488.7 x 897x 92 75"-1,709.39 x 1,020.05 x 91.2 86"-1,957.4 x 1,160.1 x 91.4

(1) Supported from software

(2) Subject to NovoDisplay 55'' and 86''

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