THE NANOBLUE PLATFORM AT A GLANCE

AV technology should be simple again.

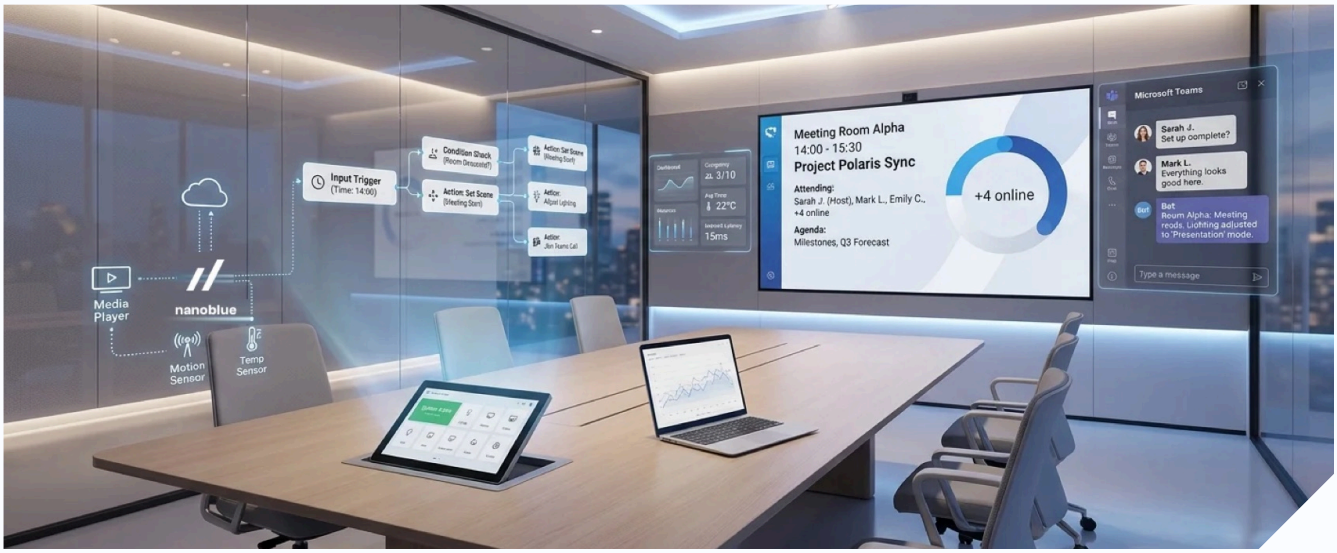
nanoblue merges AV hardware and software into one vendor-independent system: devices on site, software in the browser and a Cloud Server for remote access and monitoring.



ONE CONTINUOUS, OPEN SYSTEM

Devices, software and cloud. One system.

With nanoblue, control, digital signage and monitoring come from a single source. All building blocks speak the same language and can be combined freely.



1

Devices on site

Media Controller, Media Player and TouchPanels control, play out and operate. Everything runs locally.

2

Software in the browser

Studios for user interfaces, signage, shows, schedules and analytics. Nothing to install.

3

Cloud Server

Remote access, monitoring and alerting for all devices, from a single room to an entire installation.

Everything in the browser

Configuration, programming and operation without installing software.

Edge-first

Runs fully locally, even without internet. The cloud is always optional.

Vendor-independent

Open protocols and ready-made plugins from Dante to Q-SYS.

Firewall-friendly

Outgoing connections only. No port forwarding, no VPN.

THE CONTROL HUB FOR EVERY ROOM

One controller. All systems.

The nanoblue Media Controller runs your AV installation: fully browser-configurable, vendor-independent and able to work locally.



Everything in the browser

Configuration, programming and operation, on any operating system.

Open protocols

REST, MQTT, TCP/IP, WebSockets and NMOS, plus ready-made plugins.

Stream Deck built in

Bitfocus Companion runs directly on the controller. Just connect a Stream Deck.

AI-assisted programming

Logic, automations and device drivers are created in minutes instead of hours.

Remote engineering

Develop, test and roll out projects remotely, without an on-site visit.

Edge-first

Runs fully locally, even without internet.

Protocols	REST, MQTT, TCP/IP, WebSockets, NMOS, GraphQL
Software	Logic engine, UI Studio, Interactive UI (4 UI slots), DS Studio, Companion
Plugins	incl. Dante, Q-SYS, Lightware, PureLink, Netgear, Gude, PlexusAV, Bettear, Allen & Heath, Avonic
Operation	Linux-based, built for 24/7 operation. Cloud optional.

4K PLAYBACK FOR SIGNAGE AND EVENTS

One player. Video and audio for every application.

The nanoblue Media Player plays local media, USB content and virtually any streaming source: in 4K, around the clock and centrally managed.



Almost any source

HLS, MPEG-DASH, RTSP, SRT, RIST, RTMP and UDP/RTP, plus local files and USB.

4K hardware-accelerated

H.265/HEVC at low system load, in portrait and landscape.

Three players in one

Video, audio and streaming player in parallel, with separate playlists.

Digital signage

A fully-fledged signage player with content and schedules from the platform.

Flexible audio

Audio via HDMI and analog in parallel: display and PA at the same time.

Stream Deck built in

Control at the push of a button via the integrated Companion, no extra PC.

Video	up to 4K, H.265/HEVC hardware-accelerated, portrait and landscape
Streams	HLS, MPEG-DASH, RTSP, RTMP, SRT, RIST, UDP/RTP (MPEG-TS)
Control	Browser, Stream Deck, REST/MQTT
Management	DS Studio, Media Studio, Device Analytics, remote access via the Cloud Server

CONTROL PANELS FOR WALL AND TABLE

TouchPanel: The room at a touch.



Your own interfaces

Designed in UI Studio and rolled out centrally, from start screen to expert view.

One cable is enough

PoE delivers power, data and management over the network cable.

Kiosk mode

Boots straight into the user interface and is protected against misuse.

Live feedback

Room states in real time: what is on is immediately visible.

More devices on the platform



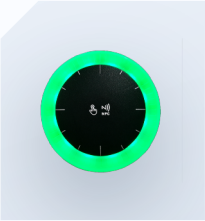
Cloud Server

Optional remote access to the entire installation. More on the next page.



Vision Sensor

Detects people, movement and gestures directly on the device. Images never leave the room.



TouchPoint

Connected button with LED ring and NFC, for everything a button should trigger.



NFC Link

Interaction point for exhibitions: hold a phone to it, content and audio follow.



Voice Gateway

Microphone array for voice control. Hears the entire room and filters out noise.



Asset Tracking

Locates equipment in real time and monitors its condition, from warehouse to stage.

OPTIONAL: THE NANOBLUE CLOUD SERVER

Everything runs on site.
And is reachable from anywhere.

Every nanoblue device works fully without internet. The Cloud Server adds secure remote access to the entire installation: operate, analyse and program as if you were on site.



Device Analytics on the Cloud Server: device metrics over time.

1

Remote control

Dashboards, user interfaces and configuration of every device, through a single address.

2

Monitoring and analytics

Live status, metric history and alerts. Evaluation in customizable dashboards.

3

Remote programming

Develop, test and roll out logic, interfaces and content, without travelling.

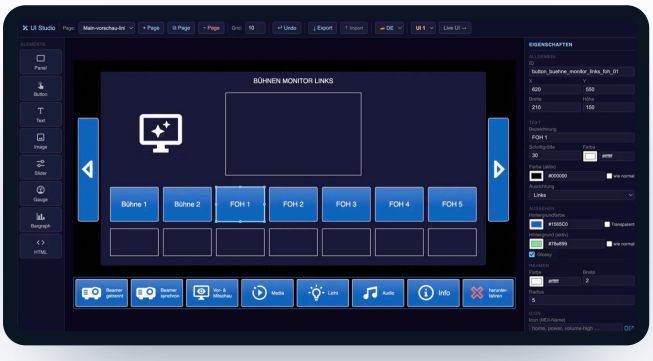
What this means for system integrators

- **Fewer site visits:** commissioning, changes and service from the office.
- **Spot faults earlier:** an alert on your phone before the customer calls.
- **No changes to the customer network:** outgoing connections only, no port forwarding, no VPN.
- **Your own server:** own address, own login, own branding. EU hosting or on-premises.

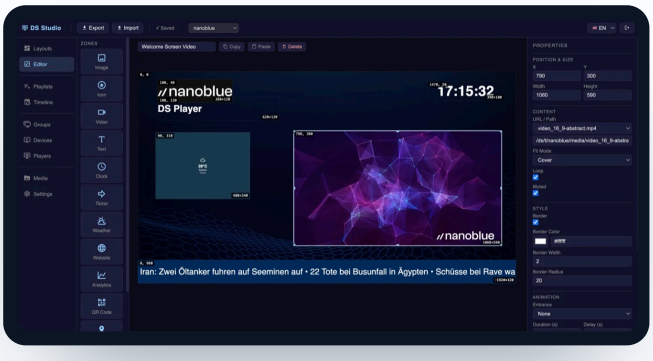
SOFTWARE

Eighteen modules. All in the browser.

Each module solves one task and works together with the others. You take what the project needs.



UI Studio: user interfaces by drag and drop



DS Studio: design digital signage content

DESIGN

UI Studio
User interfaces by drag and drop

DS Studio
Design digital signage content

Media Studio
Scheduled video and image playback

Show Studio
Timeline-based show control

Connect Studio
From the display to the phone, via QR code

Voice Control
Voice control for rooms

ANALYSE

Vision Studio
Count visitors and analyse spaces

Security Studio
Event recording and alerts

Room Analytics
Analyse and optimize usage

Room Insights
Room status and environmental data

Device Analytics
Device monitoring in real time

Notify
Alerts to your phone and browser

OPERATE

Admin Editor
Configuration for integrators

AI Assistant
Generate function logic from plain text

Admin Backend
Dashboards for engineering and service

Network Scanner
Discover AV networks automatically

NMOS Server
Registry and routing for ST 2110/AVoIP

Live Assets
Equipment management in real time

WHAT YOU BUILD WITH IT

From the meeting room to the museum.

Devices and modules turn into finished solutions. Nine examples that can be combined.



Interactive UI

Touch panels, buttons, web interfaces and voice work hand in hand.



Digital Signage

Content on displays, totems and video walls, centrally managed.



Interactive Signage

Visitors control content via touch, NFC or gesture.



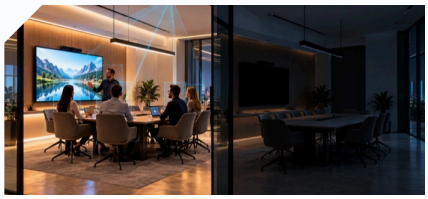
Intelligent Signage

Content reacts to its audience. Analytics stay anonymous.



Adaptive Signage

Driven by data such as occupancy, weather or calendar.



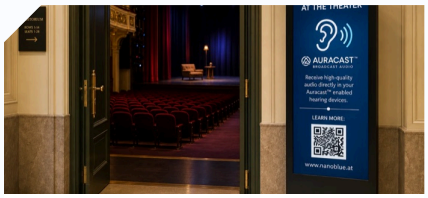
Room Automation

Technology switches on real use instead of schedules.



Experience Spaces

Lighting, video and audio as a show, triggered by the visitor.



Assistive Listening

Sound directly to hearing aids and headphones, via Auracast.



nanoblue Connect

Scan the QR code and join in on the phone, the display reacts.

Talks to the equipment you already have

Netgear · Dante · Q-SYS · Yamaha · Lightware · PureLink · PlexusAV · Bettear · Gude · Blaze · Pixera · Allen & Heath · Avonic · Sharp · Xilica · Bitfocus Companion · MIDI/OSC · DMX · DALI · KNX

NEW: NANOBLUE CONNECT

The display is the stage.
The phone is the controller.

With Connect, visitors join in on the screen: scan the QR code and spin, scratch, vote or take a queue number on their own phone. No app, no sign-up. The display reacts in real time.



1

Scan

The phone camera is all it takes. No app, no account, no Wi-Fi password.

2

Join in

The right interface for the chosen application opens on the phone instantly.

3

Experience

The display reacts live: the wheel spins, the number is called.

Eight applications on the same Media Players

Prize Wheel · Scratch Card · Guessing Game · Live Quiz & Voting · Photo Wall · Shop Window · Queue · Feedback

Set up in Connect Studio, in the customer's design. Live demo to try out: nanoblue.at/en/connect/demo.html

THE NEXT STEP

Get to know nanoblue.

We are happy to show you the platform using a real project: by video call, at your premises or at ours.

ALL PRODUCTS AND DOCUMENTS

www.nanoblue.at

Product pages, feature descriptions to download, references and the live demo of nanoblue Connect.

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