IQ | Q.nex

DESKTOP DIGITAL PODIUM
NDP500

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Introducing the Desktop Digital Podium

01

The Q-NEX NDP500 is an all-in-one desktop digital podium specifically crafted for classrooms that already possess a lectern. Simply placing it on top of the existing lectern, a conversion to a digital lectern is achieved.
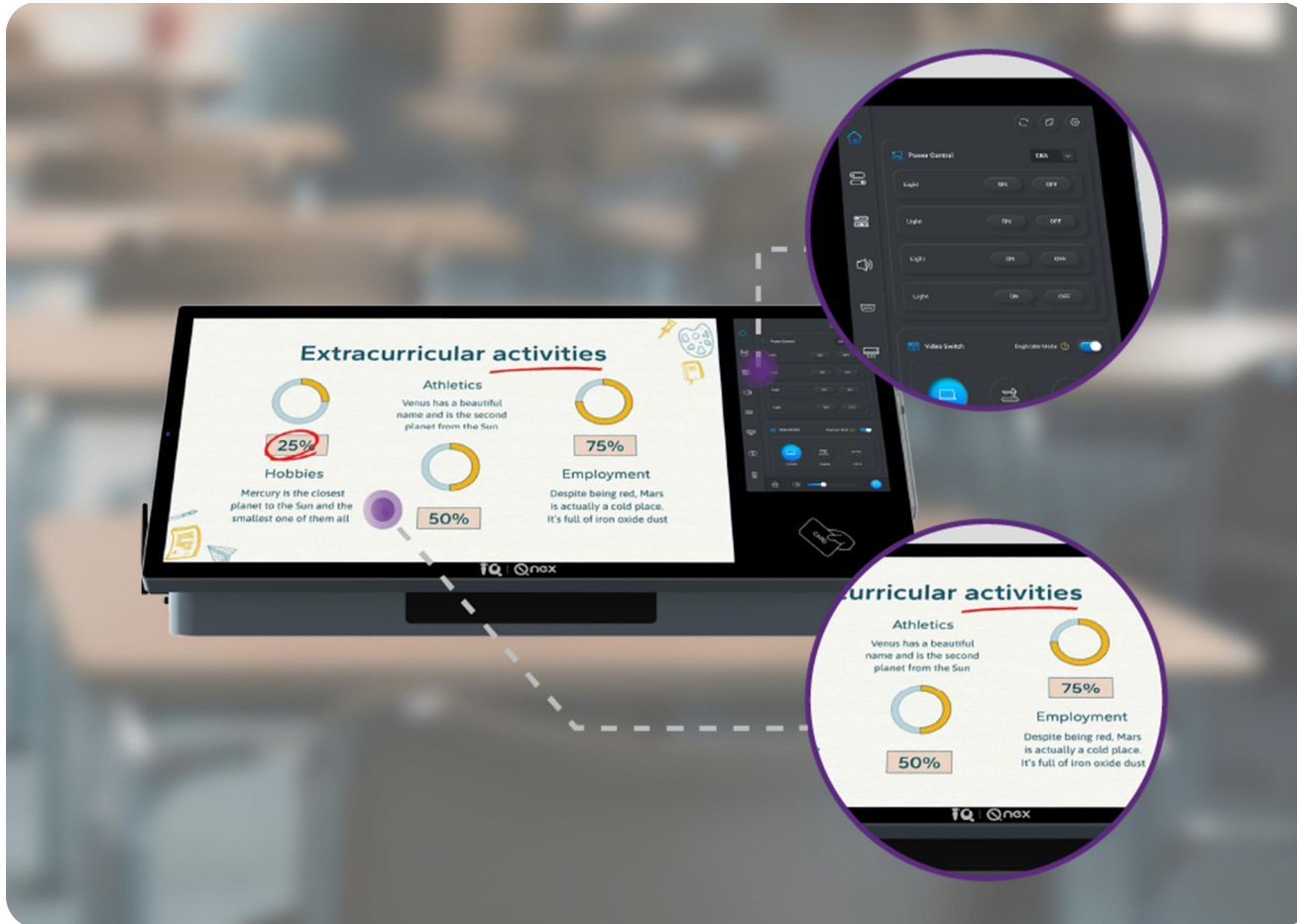
Features

Capacitive & Electromagnetic Dual Touch

Q-NEX NDP500 desktop digital podium supports both finger and pen writing. It allows gesture controls for clicking, zooming, and roaming, while pen for annotations. This desktop writing capability enhances the teacher's experience, fostering eye contact between presenters and audience.
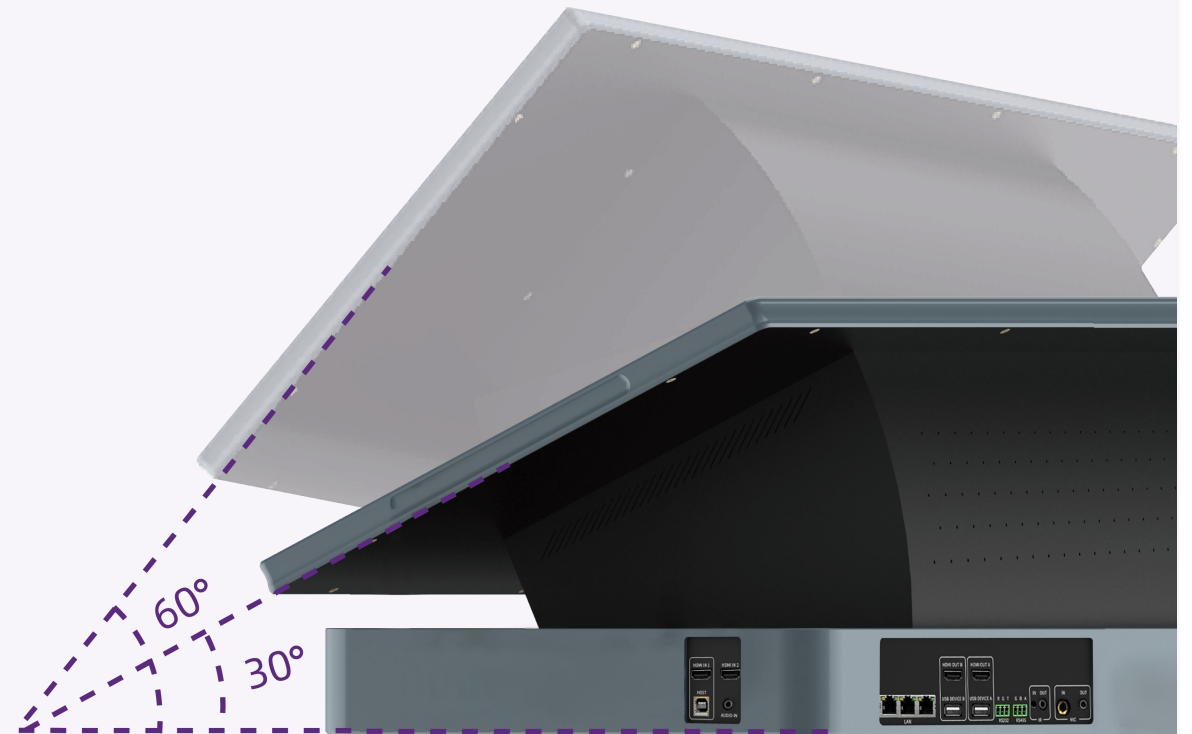
Features

03

Dual Screens with
Optical Bonding

The desktop digital podium features two screens for annotation and local device control. The screens employ optical bonding technology, providing teachers with a comfortable visual, touch, and writing experience.

Features

30°-60° Screen Adjustment

NDP500 can be placed on a traditional lectern, offering a screen angle adjustment from 30° to 60° for convenient switching between sitting and standing positions, bringing the lecturer more comfortable experience during class.

Features

Unified Device Control from Local and Network

The NDP500 enables seamless one-click activation of classroom devices (lights, interactive flat panels, projectors, etc.). It offers control over air conditioning temperature and mode adjustments. NDP500 provides unified control through both local and network-based remote access, allowing centralized device management on multiple classrooms.

Features

Handy use on the
built-in computer

Integrated with a high-end computer, desktop digital podium not only saves teachers the trouble to bring their own laptop to the classroom, but also spare classroom space for installing an extra PC.

i5
Intel ® Core™

8G RAM
512G SSD

Features

3x2 AV Matrix Switch

The 3x2 matrix switch allows teachers to flexibly switch input and output devices in the classroom, enabling dynamically switch and showcase desired content on screens. Whether presenting identical or different content on multiple screens in a classroom, the matrix switch provides a versatile and adaptable display experience.

Features

AV Broadcasting and
Live Streaming

Q-NEX NDP500 facilitates campus-wide audiovisual broadcasting or live streaming over the network. Whether initiating real-time broadcasts or scheduling different audio or video to various classrooms, it offers extensive possibilities.

*A Media Server is required for pushing AV broadcast and live streaming to the NDP500.

Features

Wireless Microphone & Sound Amplification System

Equipped with a wireless microphone system and built-in amplification, Q-NEX NDP500 makes it easy for teachers to amplify their voice locally, ensuring a more effortless teaching experience.

Features

Precise pen control with convenience

Q-NEX NDP500 active capacitive stylus pen enables precise control that enhances convenience and functionality with:

● 4096 levels of pen pressure

● Pen tip annotation and pen tail eraser for corrections

● Compatible with Microsoft Pen Protocol and Windows Ink support

● TYPE-C Charging paired with an LED indicator

● Aluminum alloy integrated body structure for durable use

Inside NDP500

Wireless Mic System

LAN Switch

Power Relay

Networked
AV Decoder

Touch Panel

Interactive Pen Display

Capacitive Pen

Built-in PC(OPS)

Digital Amplifier

Serial Control Module

AV Matrix Switch

Soulmates of Q-NEX NDP500

Q-NEX Desktop Digital Podium NDP500 is the core component of educational digitalization. Using the following components, the classroom can be easily upgraded to an intelligent modernization classroom, greatly improving the teaching experience for teachers and students.

Interactive Flat Panel

Document Camera

Wireless Presentation System

PTZ Camera

Lecture Capture System

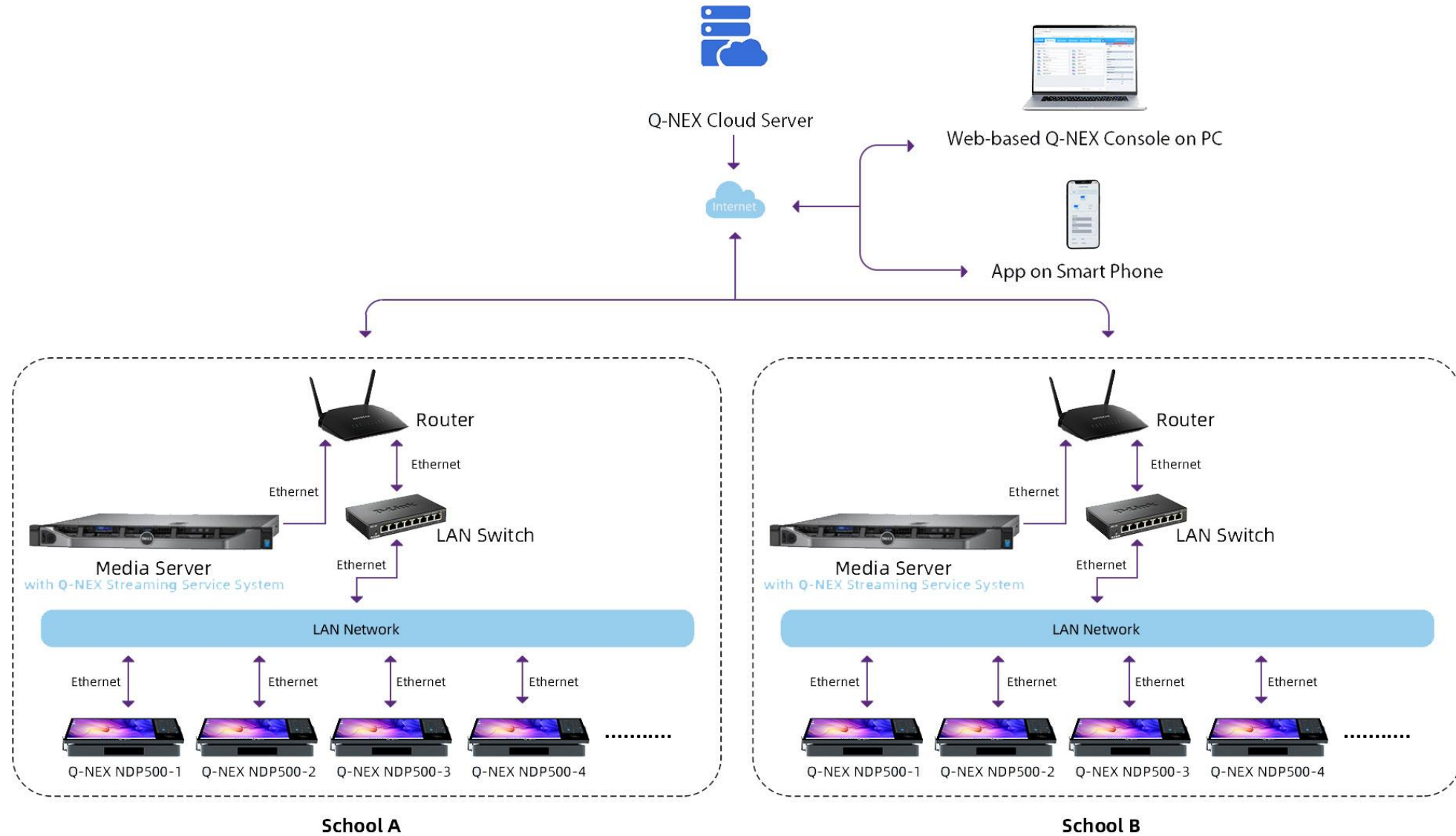

Passive Speaker

Height-adjustable Stand (Optional)

Application diagram

UHF

Wireless Microphone

HDMI IN 1   HDMI IN 2

HOST   AUDIO-IN

HDMI   USB TOUCH   AUDIO   HDMI

HDMI OUT B   HDMI OUT A

USB DEVICE B   USB DEVICE A

LAN   RS232   RS485   IR   MIC

R G T   G B A   IN   OUT   IN   OUT

HDMI   USB TOUCH   USB TOUCH   RS232   IR   AUDIO

Wireless Presentation System

Dongle

Other Audio Sources

Visualizer

RS232/IR

Q-NEX CBX
support extension up to 4 units

IFPD
OR
Projector

IFPD
OR
LED screen

HDMI   RS485

Lecture Capture System

PTZ Camera

Air-conditioner

Earphone

Gooseneck Mic

L+   L-   R-   R+

AUDIO OUT   SPEAKER

UP-DOWN   DISPLAY   EXTERNAL

POWER 100-240V
MAX.2000W

AMP OUT   Relay for Up/Down   Power On/Off   Relay for On/Off

AUDIO

Passive Speaker

Active Speaker
OR
Power Amplifier

Motorized screen

IFP

Light

Desktop Digital Podium

Networking diagram

Q-NEX Cloud Server

Web-based Q-NEX Console on PC

Internet

App on Smart Phone

School A

Router

Ethernet

Ethernet

Media Server
with Q-NEX Streaming Service System

LAN Switch

Ethernet

LAN Network

Ethernet   Ethernet   Ethernet   Ethernet

Q-NEX NDP500-1   Q-NEX NDP500-2   Q-NEX NDP500-3   Q-NEX NDP500-4

School B

Router

Ethernet

Ethernet

Media Server
with Q-NEX Streaming Service System

LAN Switch

Ethernet

LAN Network

Ethernet   Ethernet   Ethernet   Ethernet

Q-NEX NDP500-1   Q-NEX NDP500-2   Q-NEX NDP500-3   Q-NEX NDP500-4
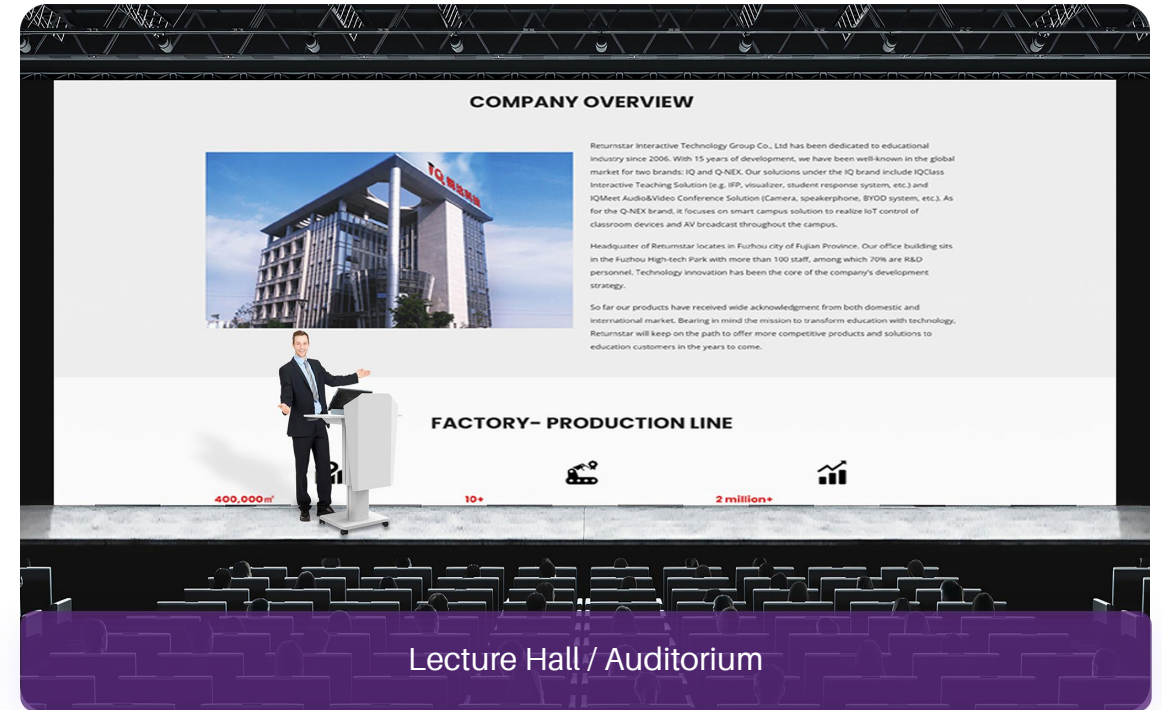
Application scenarios

Smart classroom

Lecture Hall / Auditorium

With additional devices such as document cameras or wireless sharing systems access, teachers can present engaging content through multiple screens, enriching the visual experience for students.

The NDP500, with its multifunctionality and easy installation, can be effortlessly deployed in medium to large lecture hall settings. It elegantly delivers presentations and lectures in large venues, enhancing the experience for both presenters and audiences.

Application scenarios

Online teaching classroom

Meeting room

The NDP500 control panel allows for easy control of camera images. Through the NDP500, you can access the classroom's connected cameras, microphones, and other devices, enabling direct online teaching and facilitating hybrid learning.

With its advanced features and adaptability, NDP500 is perfect for meeting rooms, whether online or offline, and can be seamlessly integrated with various devices such as laptops, projectors and sound systems. This facilitates effective communication and collaboration during meetings.

THANKS

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