

Networked Media Processor(G)

Device Centralized Control & Networked AV Decoding

NMP211-G-LU



NMP211-G-CU



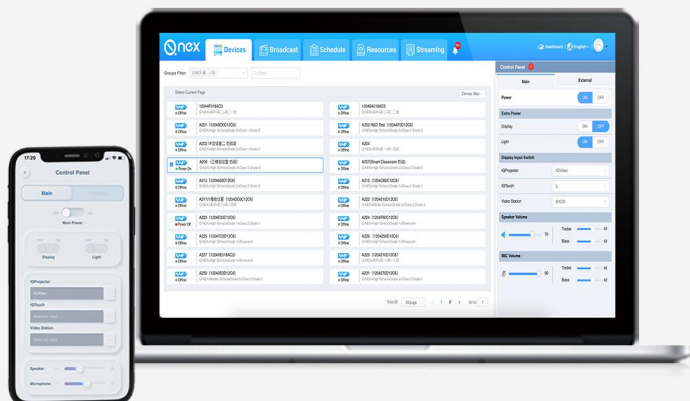
Q-NEX Networked Media Processor connects independent AV equipment and other devices to build a networked system, empowering campus all-round centralized device control of IoT ecosystem, in the meanwhile, it can also work as a networked AV decoder to process pre-recorded or live AV signals distributed from the Q-NEX Platform.

FEATURES:

- ✔ Integrate multiple devices and functions into one single system
- ✔ Centralized control of AV and commonly used devices in classrooms/conference rooms
- ✔ Networked devices deployment that enables remote control and management of all the devices through Internet or Intranet.
- ✔ Decode AV contents/live streaming from Q-NEX media server through network and play on the classroom media devices instantly or on schedule.
- ✔ Scheduled tasks enable devices control and predetermined media content to be automatically executed by order in the classroom.



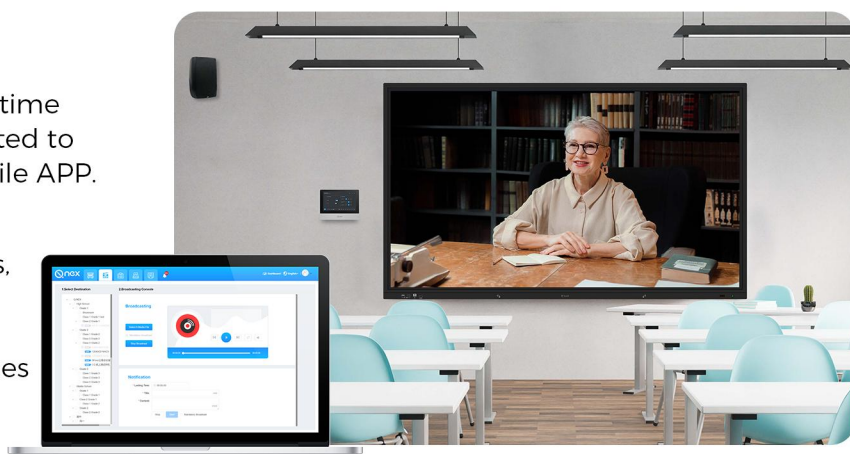
Management System



- Q-NEX Console (web-based platform) for device control
- Mobile App for device control, compatible with Android & iOS.

Campus-Wide AV Distribution:

- AV broadcast: Distribute AV content anytime and anywhere to media devices connected to NMPs through Q-NEX Console and mobile APP.
- Push Notification: Deliver daily messages, important alerts and announcements anytime and anywhere through Q-NEX Console and mobile APP to media devices in the classroom.



- Live Streaming: Push live AV content to all or selected terminal devices within the campus through Q-NEX Console.

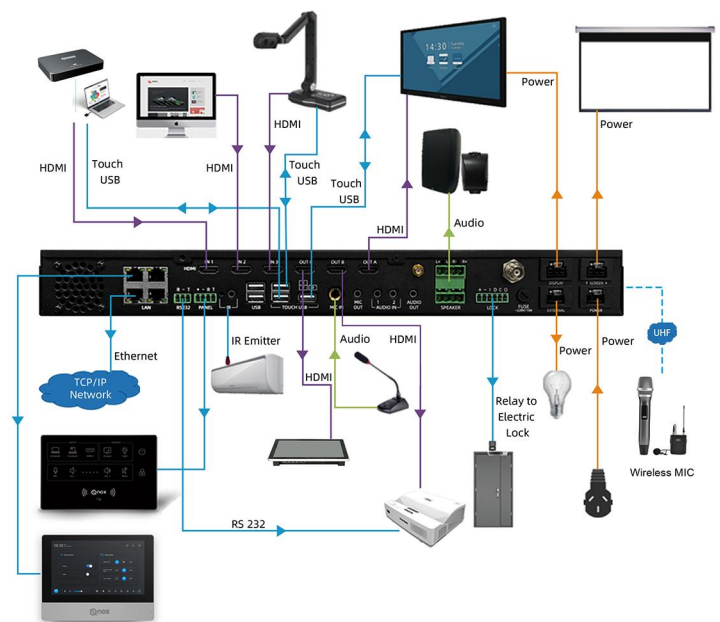


Networked Media Processor



Q-NEX Networked Media Processor is a highly integrated system for the centralized control of classroom devices that converges LAN switch, AV matrix switch, wireless mic system, networked AV decoder, power relay, digital amplifier, electronic lock module, etc..

Application Diagram



Control Panel



Touch Panel



Wireless MIC



- ✔ Wireless transmission up to 40 meters.
- ✔ UHF frequency band
- ✔ Anti-interference.
- ✔ Up to 24 channels connection
- ✔ Automatic frequency matching



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Networked Media Processor

Industrial-grade embedded motherboard	High-speed 32-bit CPU;
	Embedded operating system;
LAN switch	4 * 10M / 100M RJ45 network switch ports
Audio matrix module	2*3.5mm line in; 1*3.5mm line out
Microphone	1*6.35mm wired MIC in;
	2*UHF wireless MIC in;
	1*3.5mm MIC mixed out
HDMI matrix module	3*3 HDMI 2.0 Matrix Module, support 4K@60Hz,
	support HDCP 2.2 and HDCP 1.x
Communication Interface	1*RS232; 2*USB *2; 1*Phoenix 4-Pin for control panel
	1*USB-HOST & 2*USB-DEVICE (Route touch signals from different HDMI inputs to a touch display)
	1 * infrared remote control ; 1 * IR learner
Power amplifier	2*(40W+40W)
Q-NEX Console/App	Cloud storage management
	Digital audio broadcast
	Streaming media broadcast
	Text broadcast

Handheld Microphone

Receiving Sensitivity	>=85dBm
Sensitivity	51dB±3dB(0dB=1V/Pa 1 KHz)
Transmit Power	>20dB
Effective Distance	>40m
Battery Lifetime	12 Hours



NMP211-G-LU

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Lapel Microphone

Receiving Sensitivity >=85dBm

Sensitivity 51dB±3dB(0dB=1V/Pa 1 KHz)

Transmit Power 16~25dBm

Effective Distance >40m

Battery Lifetime 5 Hours

Control Panel

Touch Panel

Panel Control Swipe IC card to unlock; click to lock panel

Panel Control Swipe IC card to unlock; click to lock panel

Video Control Matrix switch video input sources to THREE displays

Power Control NMP/ display device/ external device power on/off

Audio Control Switch audio sources to HDMI out A

Volume Adjustment Adjust the volume/treble of microphone, microphone + audio

Video Control HDMI input switch for ONE main display

Power Control The displays and external devices power on/off

Curtain Control Screen up/down/stop

A/C Control Control air-con power, temperature, modes

Audio Control MIC/Speaker volume adjustment

Remote Control Send commands for IR devices control

Push Notification OFF Exit non-mandatory Push Notification

