Networked Media Processor(G)

Device Centralized Control & AV Distribution

NMP210-G-LU

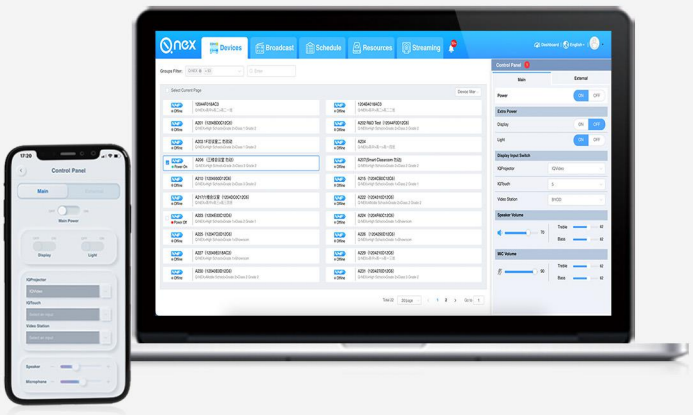
NMP210-G-CU

Q-NEX Networked Media Processor(General) connects independent AV equipment and other devices to build a networked system, empowering campus all-round centralized device control of IoT ecosystem and distribute pre-recorded or live AV contents to designated displays in the campus.

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.
- Distribute AV contents/live streaming to all or selected terminal devices through the network. Scheduled tasks enables device control and AV/text contents distribution automatically executed by order.

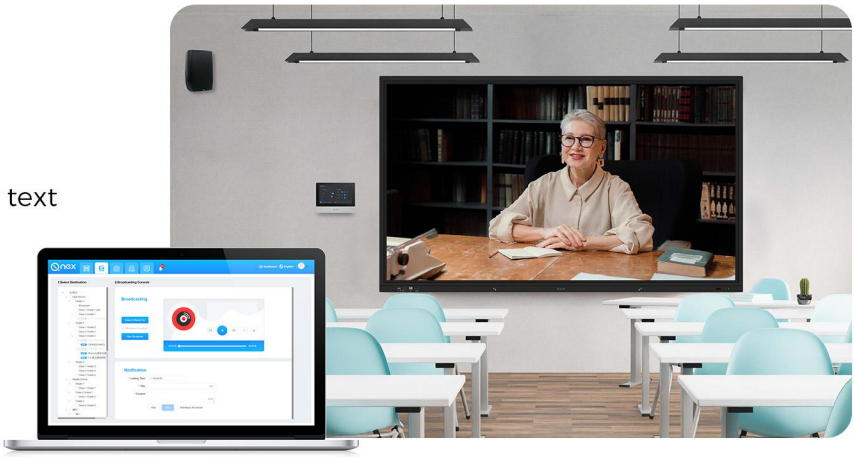
Management System



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

Campus-Wide AV Distribution:

- Pre-recorded broadcast: Distribute AV or text content anytime and anywhere through Q-NEX Console and mobile App.

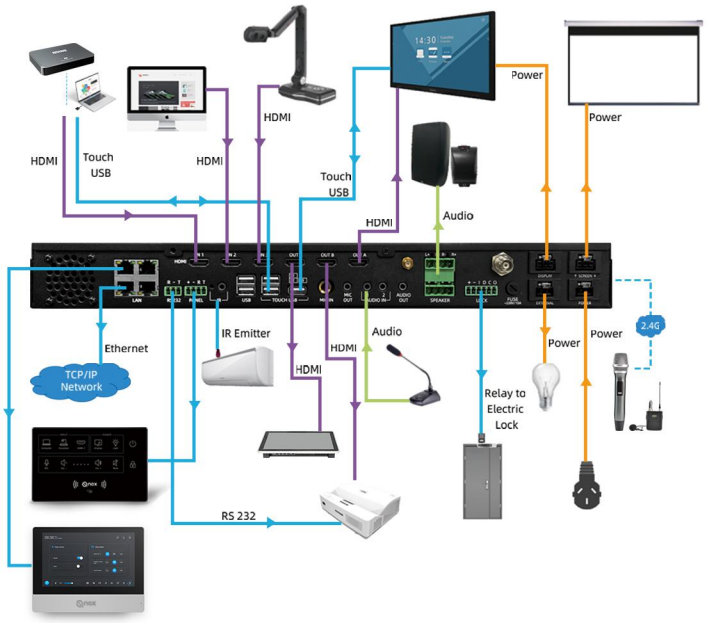


- Live Streaming: Push live AV content to all or selected terminal devices within the campus through Q-NEX Console.

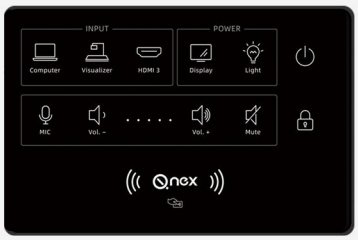
Networked Media Processor

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, 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

NMP210-G-LU	NMP210-G-CU
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;
	1*2.4G+UHF Built-in wireless Mic Receiver ;
	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

NMP210-G-LU	NMP210-G-CU

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

Panel Control	Swipe IC card to unlock; click to lock panel
Power Control	NMP/ display device/ external device power on/off
Video Control	HDMI input switch for ONE main display
Audio Control	MIC/Speaker volume adjustment

Touch Panel

Panel Control	Swipe IC card to unlock; click to lock panel
Video Control	Matrix switch video input sources to THREE displays
Audio Control	Switch audio sources to HDMI out A
Volume Adjustment	Adjust the volume/treble of microphone, microphone + audio
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
Remote Control	Send commands for IR devices control
Push Notification OFF	Exit non-mandatory Push Notification