

# Device Centralized Control & Networked AV Decoding



Q-NEX Networked Media Processor connects independent AV equipment and other dlevices 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.







## <u>O</u>nex

#### Management System

					Control Famel 0	
	Groups Filter:	ovex e (ke)			Ban	toni
	Selver Cur	ethie		Device lifer -	Four	OT OT
	CT2	10x401AC0 (ntroditedCollColl)		10464016400 participational control of the second s	Cata Power	
	622	A211 (32H80001252)		4202 NoD Test (105447001056)	Outry	(m. 100)
	e Offree	Chillonge Strategious Indus 1 State 2	10fee	SHERING Second as 2 days 2 days 2 days 2	Cell.	(T) 07
	+ 0fire	Alta Fill Fill Ella (Alta Filler 1 Start Start 2)	+ Office	100-41-3-01		
	a CCD athente	ADM (ERDINE DAD) GAELER(# Street Gale 2 Card 2 Gale 2	- 200w	ASD/Shart Ceanon 203 Districtly Stread on Tuber 7	Display leped Switch XDPopetty	Qites
Control Panel	1000	Azro (100400001208) DADLegt Schendust (20xx 3 See 3	1250	APIS (VENERATION) EVENING Strandow (Jose 2 See 1	Kibuh	5
an towns	1000	Anthelical Insectionate		A222 -025424024026 D-425140405 -12444-12-0444-1	Video Station	800 -
and the second s	efter tr	A23 (12MERCODE CHEV-HE Scandore 1-Che 2 Sear 1	1200	ADM (DDMRRC100) External Sections Education	Speaker Volume	
	1000 CR	A25 (00400000) Criticing Straticing Information	1000	ADS 125428014200 2405mp StrateGale Information	¢	Taple III
	6773	ADT (STRATING)	672	A29 (004900/00) 0000494-01-02	WC Name	
	+ (the	Aze (GHOEDCO)	+ 35H	429 1004730-320	5	
~	+ Office	(Preto-Area Serendonia (n Gran ( Gran (	+ Office	2400-rig Secolded: 2-Out 2 Out 7		Bes it
				542 2001 - 1 2 3 0m t		
	0					
adas						
					_	

- 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.



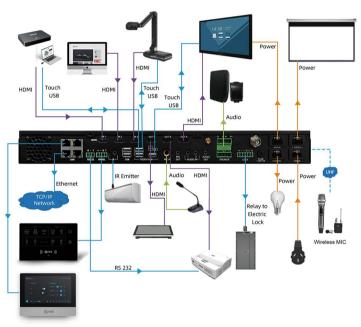


## **Networked Media Processor**



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





### NMP211-G-LU

## NMP211-G-CU

#### **Networked Media Processor**

	High-speed 32-bit CPU;	
Industrial-grade embedded motherboard	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	
	1*6.35mm wired MIC in;	
Microphone	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	
	1*RS232; 2*USB *2; 1*Phoenix 4-Pin for control panel	
Communication Interface	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)	
	Cloud storage management	
Q-NEX Console/App	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

## NMP211-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		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



