



TAKE YOUR
COLLABORATION
EXPERIENCE
TO THE NEXT LEVEL



PRODUCT CATALOG

2024 H1

Bring your workforce nearer

NEARITY creates innovative solutions for distance collaboration, driving clear communication through experience focused design, patented audio technology, and world-class cameras. Offering a complete portfolio of solutions to businesses around the world, NEARITY makes hybrid workspaces and modern offices possible. Industry leading daisy-chain technologies create comfortable and expandable spaces to work and share ideas in, while deep learning and traditional signal processing, AI noise suppression, multi-lobe beamforming, and full duplex technology make sharing ideas easy and crystal clear. With over 40% of NEARITY's team focused on research & development, and products continually refined through feedback from our clients & partners, NEARITY is focused on delivering creative new solutions that drive organizations forward with every conversation.

Nearity is founded in a way to leverage rich R&D and supply chain resources of China and global sales resources across the world.







Product Release Plan

System



NearHub Air



NearHub Tail

BYOM



NearHub Rooms

All-In-One



C45



C50



C30R

Video



CC100



CC200



LS300



V410



V30

Audio



EP220



HP30



BC300



A20S



SPI00



SP300



A11



A22

Value

Pr



NearHub S65/75/86



WT400D



B10



V415



V520D



V540D



A21S



A40



A50



AMX100



AM10P



AMix140 Set



AMix100S



A31S



ASP200

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NEARITY Business Products

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NEARITY Conferencing Devices

Audio Series Array Microphone

Advanced Audio Solutions for Training Rooms and Large Meeting Rooms



NEARITY A50 Ceilingmic

- 91-MEMS microphone array
- 12 adaptive beamforming lobes
- Up to 10m*10m effective sound pickup range
- Daisy-chain up to 8 units
- Full-duplex, Automatic Gain Control (AGC)
- Reverberation/Noise/Echo suppression
- Work with AMX100



NEARITY A40 Array Microphone

- 24-MEMS microphone array
- 8 adaptive beamforming lobes
- Up to 8m*8m effective sound pickup range
- Daisy-chain up to 8 units
- Full-duplex, Automatic Gain Control (AGC)
- Reverberation/Noise/Echo suppression
- Work with AMX100



NEARITY A31S Array Microphone

- 8-MEMS microphone array
- VoiceCAP Pro 3D – Immersive Audio Capture
- Adjustable multiple pickup zones and modes
- Pickup distance up to 8m
- Full-duplex, Automatic Gain Control (AGC)
- AI Reverberation/Noise/Echo suppression
- Support PoE connection
- Daisy-chain up to 8 units
- Flexible installation

NEARITY Conferencing Devices

Audio Series

Advanced Audio Solutions for Training Rooms and Large Meeting Rooms



AM10P Desktop Beamforming Microphone

- SNR: 63dBV/Pa 94dB SPL@1kHzA-weighted
- Directivity Beams Suppression: up to 20dB.
- AI voice activity detection, AI noise and echo cancellation, AGC
- Three levels of AI mode through the Mode button.
- Support up to 24 units expansion
- Standard PoE connection for power supply, audio and control transmission
- Work with AMX100



AMQ20 Ceiling microphone

- Beamforming technology actively tracks
- Intelligent audio mixing
- AI noise and echo cancellation, Full Duplex
- Sampling rate of 48kHz
- Phantom Power
- Work with AMX140

NEARITY Conferencing Devices

Audio Series Digital Signal Processor

Advanced Audio Solutions for Training Rooms and Large Meeting Rooms



AMX100 Digital Signal Processor

- Built-in audio routing matrix
- Support up to 8 units A50/A40 ceilingmics via network cable connection
- Built-in Amplifier, support up to 8 units ASP100/ASP110 Loudspeakers
- Rich audio interfaces can be accessed by various third-party audio devices
- Integration with the V520D for speaker tracking



New

AMix140 Digital Signal Processor

- Rich audio interfaces can be accessed by various third-party audio devices
- Audio processor with a built-in audio routing matrix
- Support up to 4 units AMQ20 access
- Support wired or network cascade expansion
- High-fidelity sound quality output
- Built-in Amplifier, support up to 4 units ASP100/ASP110 Loudspeakers
- Compatible with Dante network



SONORITY
ECOSYSTEM

New

AMix100S Network Audio-Video Integration Gateway

- Rich audio interfaces can be accessed by various third-party audio devices
- Audio processor with a built-in audio routing matrix
- IP-based Hybrid Networking
- Support USB audio/video devices access
- High-fidelity sound quality output
- 4-ch Configurable Flex port
- Compatible with Dante network

NEARITY Conferencing Devices

Loudspeaker Series

Advanced Audio Solutions for Training Rooms and Large Meeting Rooms



ASP200 Multi-functional Loudspeaker

- Dual-frequency speaker design
- High-fidelity sound quality
- Support connect to USB and used independently
- 20W High-fidelity audio output
- Support POE daisy-chain
- Support mixing usage of network and analog audio



ASP100 Passive Loudspeaker

- Flush mounting is supported
- 15W High-fidelity audio output
- ABS flame retardant material
- Leakage-proof



ASP110 Passive Loudspeaker

- Wall-mounting mounting is supported
- 15W High-fidelity audio output
- ABS flame retardant material
- Leakage-proof

NEARITY Conferencing Devices

Audio Series Speakermic

Outstanding Audio Solutions for
Personal Offices to Large Auditoriums



NEARITY A11 Conference SpeakerMic

For Personal Offices and Small Conference Rooms

- 4-element MEMS microphone array
- 4 meters sound pickup distance
- Full-duplex, Automatic Gain Control (AGC)
- Reverberation/Noise/Echo suppression



NEARITY A20S Conference SpeakerMic

Meeting Equity for Every Corner

- 8-element MEMS microphone array
- 5 meters sound pickup distance
- Daisy-chain up to 6 units via POE connection
- AI noise reduction
- Full-duplex, Automatic Gain Control (AGC)
- Reverberation/Echo suppression



NEARITY A21S Conference SpeakerMic

Meeting Equity for Every Corner

- 8-element MEMS microphone array
- 5 meters sound pickup distance
- Daisy-chain up to 4 units via POE connection; Up to 8 units can be cascaded when using a POE injector
- AI noise reduction, AI reverberation suppression
- Full-duplex, Echo suppression, Automatic Gain Control (AGC)



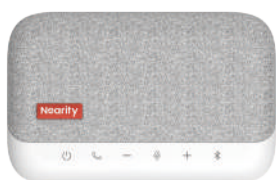
NEARITY A22 Conference SpeakerMic

Meeting Equity for Every Corner

- 8-element MEMS microphone array
- 5 meters sound pickup distance
- Daisy-chain up to 6 units via POE connection
- AI noise reduction
- Full-duplex, Automatic Gain Control (AGC)
- Reverberation/Echo suppression
- Bluetooth supported

Audio Series Speakermic

Outstanding Audio Solutions for
Personal Offices to Large Auditoriums



NEARITY SP100 Speakerphone

- Microphone: 4-element Omnidirectional Microphone Array
- Application Scenario: Small and medium meeting rooms; personal office; multi-player voice
- USB Type-A&C interface, plug and play; Bluetooth 5.0, support mobile phone connection for meetings
- Audio features: Noise Suppression, Echo cancellation, Automatic Gain Control (AGC), Voice tracking
- Long battery life: 2600mAh, reverse charging supported



NEARITY SP300 Speakerphone

- Microphone: 6-element Omnidirectional Microphone Array
- Application Scenario: Small and medium meeting rooms; personal office; multi-player voice
- USB Type-A&C interface, plug and play; Bluetooth 5.0, support mobile phone connection for meetings
- Audio features: Noise Suppression, Echo cancellation, Automatic Gain Control (AGC), Voice tracking
- Upgraded built-in battery: 5200mAh, reverse charging supported



NEARITY BC300 All-in-one Docking Station

- 8-MEMS Beamforming microphone array
- High-quality stereo speakers with adjustable sound
- USB Type-A&C*8 support charging + data
- Support DP1.4 (4K@60Hz HDR) + HDMI2.1 display (4K@60Hz HDR)
- Bluetooth 5.0, support mobile phone connection for meetings
- Full Duplex, Noise Suppression, Echo cancellation, Automatic Gain Control (AGC)
- Support fast charging (up to 20W) of mobile phones

NEARITY Conferencing Devices

Conference Camera

Make Any Conference Room
A Collaboration Room



NEARITY V540D Dual-Lens PTZ Conference Camera

Premium Optics: Wide, Clear, and Smart

- Dual camera design with 40x hybrid zoom
- 2K video output
- Speaking tracking/Zone-following/Auto-framing
- Picture in Picture (PIP) Mode
- 255 preset positions
- Rich interfaces: USB/HDMI/RJ45/Line in/Line out/RS232/RS485/SDI out
- Support WiFi connection



NEARITY V520D Dual-Lens PTZ Conference Camera

Premium Optics: Wide, Clear, and Smart

- Dual camera design with 20x hybrid zoom
- 1080P video output
- Speaking tracking/Zone-following/Auto-framing
- Picture in Picture (PIP) Mode
- 255 preset positions
- Rich interfaces: USB/HDMI/RJ45/Line in/Line out/RS232/RS485/SDI out



NEARITY V415 UHD PTZ Conference Camera

Premium Wide-Angle 4K Imaging Camera

- 15x Hybrid Zoom
- 8MP Sony CMOS Image Sensor
- 4K@30fps
- High Dynamic Range
- Pan range: $\pm 175^\circ$
- HDMI output supported
- Auto - framing/Smart Tracking



NEARITY V410 QHD PTZ Conference Camera

Professional Wide-Angle QHD Imaging Camera

- 10x Hybrid Zoom
- 4MP Sony CMOS image sensor
- 2K@30fps
- 120° Ultra-wide FOV
- Pan range: $\pm 175^\circ$
- Auto - framing/Smart Tracking
- Built-in 2 Mics

Conference Camera

Make Any Conference Room
A Collaboration Room



NEARITY V30 UHD Conference Camera

Premium 4K Optics for Your Huddle Space

- 120° Ultra-wide FOV
- 8MP Sony CMOS Sensor
- 4K@30fps
- Auto-framing
- 4-Element MEMS microphone array
- 4 meter sound pickup distance
- USB Plug&Play



NEARITY CC100 Webcam

For personal work and live streaming

- Premium Sensor: Sony CMOS
- Resolution FPS: 1080P@60fps
- FOV(D): 75°
- Auto focus
- 2 Noise Cancelling Mics
- Audio features: Anti-Echo audio treatment, AI-based Keyboard Denoise
- USB-A plug-and-play



NEARITY CC200 Webcam

For personal work and live streaming

- Premium Sensor: Sony CMOS
- Resolution FPS: 4k@30fps, 1080P@60fps
- FOV(D): 90°, up to 5x zoom
- Auto focus, auto-framing
- 2 Noise Cancelling Mics
- Audio features: Anti-Echo audio treatment, AI-based Keyboard Denoise
- USB-A&C plug-and-play
- HDR

NEARITY Conferencing Devices

All-in-one Conference Camera

Convenient, Efficient and
Transformative for Daily Use



NEARITY C30R 4K All-in-One Conference Cam

Professional Hardware and AI Functions Create
Intelligent Meetings

- 4K@30fps
- 5-element 180° microphone Array
- 5m effective sound pickup range
- 120° ultra-wide FOV
- Speaker tracking/Close-up group/Auto Framing
- Daisy-chain with up to 4 units A20 via POE connection



NEARITY C45 All-in-One Conference Camera

Plug and Play, Upgrade for All Workplaces

- 1440P@30fps
- 5MP SONY CMOS Image Sensor
- 120° ultra-wide FOV
- 4-element MEMS microphone array
- Auto Framing
- USB Plug&Play



Nearity C50 Desktop 360° Video Conferencing Camera

- 6-unit MEMS microphone
- AI Noise Reduction, Echo cancellation, Reverb Suppression, Full-duplex
- 360° 4K panoramic view, 3x digital zoom
- Auto framing, Speaker tracking
- AI video modes: Discussion Mode, Presentation Mode, Global Mode
- All-in-one design

NEARITY Collaboration Solutions

Integrated Hardware and Software
Collaboration Solutions to Transform
Meetings and Presentations



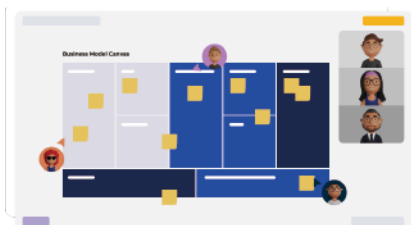
NEARITY NearHub S55/S65/S75/S86 interactive collaboration smartboard



- Built-in 4K HD camera, 120° ultra wide FOV
- Auto framing/Speaker tracking/Splicing frame intelligent technology
- Built-in 24-unit 180° spatial directional array microphone, easy to achieve non-inductive voice pickup
- Industry-leading 3A audio algorithm, supporting high-quality full-duplex calls within 8 meters of pickup distance
- Supports a variety of projection methods and standard transmission protocols such as Airplay and Chromecast
- Supports intelligent split-screen display, and presents projection and whiteboard content at the same time
- Support multi-terminal synchronous writing in different places, breaking the barrier of time and space.
- Make remote collaboration face-to-face experience
- Using high-precision infrared touch scheme, infrared input delay $\leq 8\text{ms}$
- Touch accuracy up to 1mm
- Support BYOM mode

Nearhub Online Collaborative Whiteboard

Communicate and Collaborate However,
Whenever, and Wherever.



- Actively engage your audience to make presentation stand out from the crowd
- Brainstorming becomes more efficient and actionable with effortless integration of images, videos, stickers, and tools you already use
- Allow meeting participants to comment, share files, make notes, conceptualize, and design on the infinite canvas
- Save and share your board in one click

NEARITY Conferencing Devices

Headsets

Ultra Clean Sound Pickup, Super Hybrid Work Experience



NEARITY HP30 Wireless Headset

Dual-Mic Noise-cancelling Wireless Headset

- AI Noise cancellation; Echo cancellation
- Dual-Mic for clear voice pickup and background noise cancellation
- Dual connections of USB and Bluetooth
- Up to 12h talk time, 15h music time
- 250° microphone arm for each adjustment
- Mute when lift the arm
- 1.5 m USB-C cable



NEARITY EP210 Wired Headset

Single-ear noise-cancelling microphone

- AI Noise-cancelling Mics: Greatly suppress unwanted background noises.
- All-day-comfort: Featuring padded ear cushions and an adjustable headband.
- Plug and Play: Simply plug the USB-A/C or 3.5mm jack into your device.
- Greater flexibility: Pivot up to 270 ° mic boom to provide greater flexibility.



NEARITY EP220 Wired Headset

With High-definition voice and in-line controls

- AI Noise cancellation
- One-element ECM omnidirectional microphone
- 270° microphone arm for each adjustment
- Padded ear cushion
- 3.5 mm & USB-A connectivity

NEARITY Conferencing Devices

Live Streaming Camera



NEARITY LS300 Multi Streaming Camera

For live streaming and broadcasting

- 5MP Sony CMOS Sensor, FOV(D): 78°
- Stream at 1080P, Record at QHD 1440P
- 10x optical zoom
- 8-element MEMS microphone array
- Wifi & Bluetooth supported
- Get every angle between multiple cameras with ease on the APP
- Compact size with built-in 6000mAh lithiumion battery, last 6+hours

NEARITY Rooms Solutions

Zoom Rooms Solution

Provide a one-stop solution for conference rooms



NEARITY WT400D Conference Roomhost

A more professional Mini-PC with build-in Rooms App

- Windows OS, compatible with Rooms App of various conference platforms
- 11th Gen Intel® Core™ i5 Processors;
RAM: 16GB (8GB*2); Storage: 128GB
Up to 3-ch 4K@60fps HDMI output, support multi-screen and
- multi-display
- Connectivity: USB-A*4/USB-C*1/HDMI IN*2/HDMI OUT*3/ RJ45
- Network connection
- support wired via RJ45 and WiFi wireless connection



NEARITY B10 Touch Panel

A professional touch screen for conferences

- Android OS, Rooms Controller App can be pre-installed
- 10-inch touch screen, clear picture, smooth touch without lagging
- Tabletop/Wall mount supported, security and anti-theft keyhole
- Support POE, wired/wireless connection

NEARITY BYOM System

Create immersive hybrid meetings with the Nearity BYOM system



Nearhub Rooms

Bring Your Own Meeting Solution for Hybrid Meeting

- Rich interfaces can be accessed by various audio and video devices
- Image splicing
- Intelligent Audio Mixing
- Configurable audio and video routing
- High-definition wireless projection
- BYOM application
- Compatible with 3rd party conferencing peripherals



Nearhub Air

Bring Your Own Meeting Solution for Hybrid Meeting

- Entry-level wireless screen projection receiver
- Image splicing
- Intelligent Audio Mixing
- Configurable audio and video routing
- High-definition wireless projection
- BYOM application
- Compatible with 3rd party conferencing peripherals



Nearhub Tail

Bring Your Own Meeting Solution for Hybrid Meeting

- Wireless screen projector
- USB+HDMI dual-interface design
- Work with Nearhub Rooms/Air or Smartboard
- BYOM application
- Plug&Play

Solution Coverage

Room Type	Auditorium	large & Board Room	Mid to Large Room	Medium Room	Small to Mid Room	Small Room	Huddle Room
Room Size	70+ m ²	40-70 m ²	30-40 m ²	20-30 m ²	10-20 m ²	5-10 m ²	<5 m ²
Number of People	40+	32-40	24-32	16-24	8-16	4-8	1-4
SpeakerMics							
A11							A11 * 1
A20S		A20S * 5 to 6	A20S * 4	A20S * 3	A20S * 2	A20S * 1	
A21S		A21S * 5 to 8	A21S * 4	A21S * 3	A21S * 2	A21S * 1	
A22		A22 * 5 to 6	A22 * 4	A22 * 3	A22 * 2	A22 * 1	
Ceiling Microphones							
A40	A40 * 6 to 8	A40 * 4 to 5	A40 * 2 to 3	A40 * 1			
A50	A50 * 4 to 8	A50 * 2 to 3	A50 * 1				
AM10P			AM10P * 24	AM10P * 16	AM10P * 8		
AMQ20		AMQ20 * 16	AMQ20 * 8	AMQ20 * 6	AMQ20 * 4		
Conference Camera							
CC100							CC100 * 1
V30						V30 * 1	V30 * 1
V410				V410 * 1	V410 * 1		
V415		V415 * 2	V415 * 1	V415 * 1			
V520D	V520D * 2	V520D * 2	V520D * 1	V520D * 1			
All-In-One							
C45						C45 * 1	C45 * 1
C50						C50 * 1	C50 * 1
C30R				C30R * 1	C30R * 1	C30R * 1	
BYOM							
Nearhub Tail	Tail *1	Tail *1	Tail *1	Tail *1	Tail *1		
Nearhub Air	Air *1	Air *1	Air *1	Air *1	Air *1		
Smartboard							
S65	S65 * 2	S65 * 2	S65 * 1	S65 * 1	S65 * 1		
S75	S75 * 2	S75 * 2	S75 * 1	S75 * 1			
S86	S86 * 2	S86 * 1	S86 * 1				



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