AUDIO ENHANCEMENT®

Audio Solutions	EPIC System™	SAFE System®	VIEWpath®

Audio Enhancement
Catalog

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Table of Contents

Audio Enhancement, Inc. creates more effective classrooms through audio, visual and instructional tools. This catalog is a visual companion to our standard price list and contains pictures of our most basic kits and components. Items are listed alphabetically, by category.

Catalog shows systems in their classic configurations. Additional system options may be available beyond what is represented here. For more information, contact your local representative.

BEAM

BEAM Configuration w/Power Base

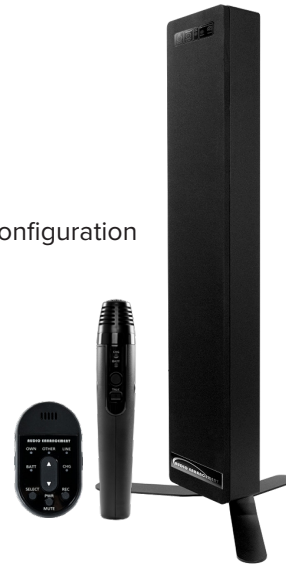| Item #	Description
XD-1301	BEAM Classroom Audio System
XD-0701	XD Teardrop Microphone
XD-5011	Dual USB Charging Block
XD-5021	6' USB 2.0 Charging Cable
XD-5001	Lithium Ion Battery

Item #	Description
XD-8115	BEAM Classroom Audio System w/Power Base (KIT)

BEAM Pro

Cart- and Wall-Mount Configuration

Table-Mount Configuration

Cart-Mount Kit

Item #	Description
XD-1212	BEAM Pro Classroom Audio Bar
AC-3006	Cart-Mount Bracket for BEAM
XD-0701	XD Teardrop Microphone
XD-0801	XD Handheld Microphone
XD-5011	Dual USB Charging Block
XD-5021	6' USB 2.0 Charging Cable
XD-5001	Lithium Ion Battery

Wall-Mount Kit

Item #	Description
XD-1212	BEAM Pro Classroom Audio Bar
AC-3007	Wall-Mount Bracket for BEAM
XD-0701	XD Teardrop Microphone
XD-0801	XD Handheld Microphone
XD-5011	Dual USB Charging Block
XD-5021	6' USB 2.0 Charging Cable
XD-5001	Lithium Ion Battery

Table-Stand Kit

Item #	Description
XD-1212	BEAM Pro Classroom Audio Bar
AC-3008	Table-Stand Bracket for BEAM
XD-0701	XD Teardrop Microphone
XD-0801	XD Handheld Microphone
XD-5011	Dual USB Charging Block
XD-5021	6' USB 2.0 Charging Cable
XD-5001	Lithium Ion Battery

Item #	Description
XD-8110	BEAM-Pro System w/Cart Mount (KIT)
XD-8111	BEAM-Pro System w/Wall Mount (KIT)
XD-8112	BEAM-Pro System w/Vertical Stand (KIT)

Mini Classroom System

Item #	Description
SP-0001	4 Ceiling Speakers and Tile Bridge
AC-0002	75' Plenum Speaker Cable
AC-0003	50' Plenum Speaker Cable
XD-0601	XD Receiver
AC-0102	3' Cat6 Plenum Cable–Black
XD-0701	XD Teardrop Microphone
XD-0801	XD Handheld Microphone

Item #	Description
XD-5011	Dual USB Charging Block
XD-5021	6' USB 2.0 Charging Cable
XD-5001	Lithium Ion Battery
AM-0203	CA-30 Amplifier
AC-1002	Power Supply
AC-1003	15' Power Cable

Item #	Description
XD-8001	Mini Classroom System Pal XD - 4 Ceiling Speakers (KIT)

Optimum Classroom System

Item #	Description
SP-0001	4 Ceiling Speakers and Tile Bridge
AC-0002	75' Plenum Speaker Cable
AC-0003	50' Plenum Speaker Cable
XD-0601	XD Receiver
AC-0102	3' Cat6 Plenum Cable–Black
XD-0701	XD Teardrop Microphone

Item #	Description
XD-0801	XD Handheld Microphone
XD-5011	Dual USB Charging Block
XD-5021	6' USB 2.0 Charging Cable
XD-5001	Lithium Ion Battery
AM-0500	MS-500 Amplifier
AC-0125	3'Cat6 Plenum–Grey

Item #	Description
XD-8004	Optimum Classroom-MS-500- XD System Pal - 4 Ceiling Speakers (KIT)

Sentinel Classroom System

Item #	Description
SP-0001	4 Ceiling Speakers and Tile Bridge
AC-0002	75' Plenum Speaker Cable
AC-0003	50' Plenum Speaker Cable
XD-0601	XD Receiver
AC-0102	3' Cat6 Plenum Cable—Black
XD-0701	XD Teardrop Microphone
XD-0801	XD Handheld Microphone

Item #	Description
XD-5011	Dual USB Charging Block
XD-5021	6' USB 2.0 Charging Cable
XD-5001	Lithium Ion Battery
AM-0102	CA-60A Amplifier
AC-1002	Power Supply
AC-1003	15' Plenum Cable

Item #	Description
XD-8002	Sentinel XD System Pal - 4 Ceiling Speakers (KIT)

XD Receiver Packages

Item #	Description
XD-0601	XD Receiver
AC-0102	3' Cat6 Plenum Cable—Black
XD-0701	XD Teardrop Microphone
XD-0801	XD Handheld Microphone

Item #	Description
XD-5011	Dual USB Charging Block
XD-5021	6' USB 2.0 Charging Cable
XD-5001	Lithium Ion Batter

Item #	Description
XD-8050	XD Receiver AE Upgrade SystemPal - w/Pendant & HH Microphone (KIT)

XDSolo®

XDSolo Pal System

XDSolo Pal System w/Companion Speaker

Item #	Description
XD-1100	XDSolo Speaker
XD-0701	XD Teardrop Microphone
XD-0801	XD Handheld Microphone
XD-5011	Dual USB Charging Block
XD-5021	6' USB 2.0 Charging Cable
XD-5001	Lithium Ion Battery

Item #	Description
XD-1100	XDSolo Speaker
XD-1110	XDSolo Speaker Portable Companion
XD-0701	XD Teardrop Microphone
XD-0801	XD Handheld Microphone
XD-5011	Dual USB Charging Block
XD-5021	6' USB 2.0 Charging Cable
XD-5001	Lithium Ion Battery

Item #	Description
XD-8100	XDSolo Speaker Pal System With Blue Tooth (KIT)
XD-8101	XDSolo Speaker Pal System With Companion Speaker (KIT)

EPIC System
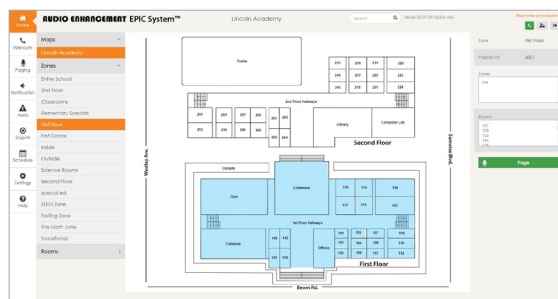
Item #	Description
EP-0022	EPIC System IPB License
EP-0009	EPIC System Platform License
EP-0005	Remote Support Windows License
EP-0020	EPIC Monitor/Kiosk Combo
EP-0006	EPIC Admin Manual and User Guides

Item #	Description
AC-0112	5' Cat6 Cable—Blue
EP-9003	EPIC Headend Appliance
AC-2071	M5 Rack Cabinet Screws
EP-0010	SAFE System License
EP-0001	1U Rackmount Appliance for EPIC

Item #	Description
EP-8001	EPIC System Head End (KIT)

AV Touch Wall Control

- Customizable and programmable 3.5" wall panel
- Power on or off any connected device
- Compatible with GL-300 and MS-500 Amplifiers
- Full-color touch display
- Mounts to any standard 2-gang wall box or re-work box

Item Number: PA-8010

WPA-501 Ambient Microphone Wall Plate

- Ambient room microphone
- Can be mounted on ceiling or wall

Item Number: NE-0006

WPA-502 Call and Emergency Wall Plate

- Wall Plate accessory that includes 2 membrane buttons and an ambient microphone for 2-way intercom communication
- Red membrane button for emergency calls
- Green membrane button for normal intercom calls

Item Number: NE-0007

WPA-504 Intercom Call Wall Plate

- Intercom call membrant button with ambient microphone
- Easy installation, screw terminal connection

Item Number: NE-0008

WPA-505 Emergency Wall Plate

- Emergency call membrane button
- Easy installation, screw terminal connection

Item Number: NE-0009

EPIC System SAFE ONLY

- EPIC System SAFE ONLY includes a Touchscreen Kiosk with campus map for a clear picture of incident location
- EPIC System SAFE ONLY provides a central relay station for all communications between devices used with SAFE System. This allows all transactions that happen between devices to be logged for later perusal
- Every 3 minutes, all SAFE System devices connected to the network are monitored to ensure that they are still functioning. If a device is offline, a network administrator is notified immediately
- *Optional high-definition, 360° camera allows educators to see the full room

| Item #	Description
EP-8004	EPIC System SAFE ONLY Head End Includes EPIC Kiosk, No Boom Mic (KIT)

MS-300 Network Interface

- MS-300 allows a classroom audio system to connect to the school network infrastructure
- Facilitates two-way communication from front office to classroom
- MS-300 can be connected to an ambient microphone to provide full audio coverage

| Item #	Description
AM-0301	MS-300 Interface with 7-ft. Cat6 Cable (KIT)

VIEWpath
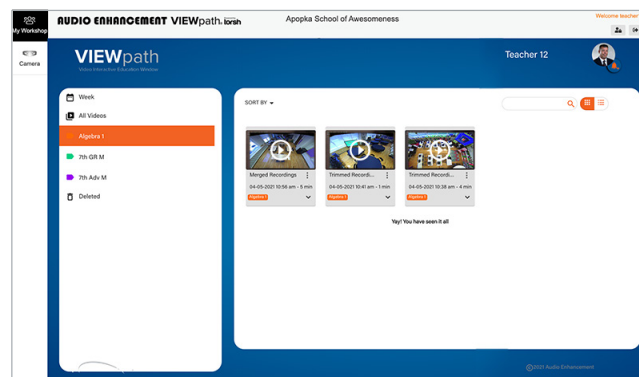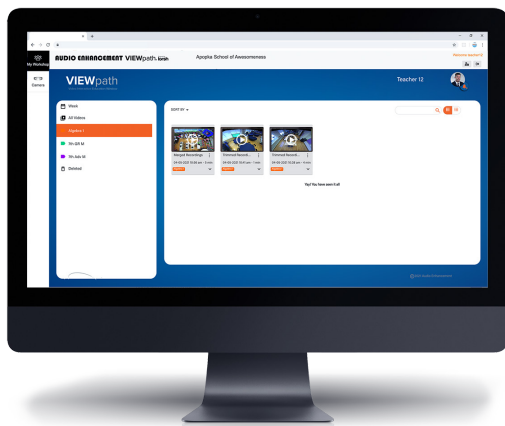
- Easy-to-use professional development platform
- Schedule recordings in advance or record from the Teacher Microphone
- Live stream instruction to remote students with VIEWpath Live
- Video can be added to teachers' existing LMS
- Chrome™ web-based interface
- EduCam360-C offers 4K video and multiple camera views (see page 14)
- EduCamPTZ helps educators easily broadcast and capture lessons for remote learning (see page 14)

| Item #	Description
NE-9054	VIEWpath E3 Head End (1 per Campus Required) (KIT)

Amplifiers

CA-30A Amplifier
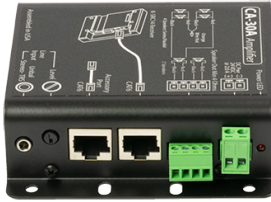
- Versatile mounting system
- Mounts directly to projector poles
- Mount in plenum rated ceiling enclosures or inside cabinets
- Plug and play compatibility with Audio Enhancement's XD classroom microphones
- See page 5 for complete system

Item Number: AM-0203

CA-60A Amplifier
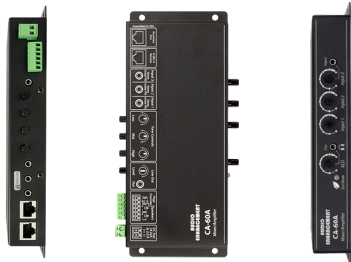
Back Side   Side View   Front Side

- 50 Watts CA-60A amplifier
- 3 Mono auxiliary line inputs
- 3 Variable gain-line input for adding receiver/ microphones system
- 1 Variable line level output for ADA compliance
- 1 Mix/Minus line level output for recording to PC or other recording device
- Slim design for mounting behind interactive whiteboards and variable locations
- See page 6 for complete system

Item Number: AM-0102

MS-500 Network Amplifier

- Full-duplex audio
- Easy-to-use, easy-to-install
- Simple user interface software
- Entire unit is exclusively powered over Ethernet
- Intercom and paging functionality built-in
- During emergencies, paging can still be heard
- 4 Line unbalanced stereo inputs (3.5 mm)
- 1 Input connector for XD Receiver
- Internal network audio
- See page 5 for complete system

Item Number: AM-0500

Cameras, Microphones

EduCam360®

Item Number: NE-8103

- The EduCam360-C allows educators, administrators and emergency personnel to see the entire classroom in the highest quality. Capturing video resolutions up to 4000x3000, the EduCam360-C provides clarity like never before
- 12-megapixel maximum resolution
- H.265 smart coding
- Power over Ethernet
- Multiple H.265/H.264 (high profile) streams and JPEG streams ensure simultaneous real-time monitoring and high-resolution recording

EduCamPTZ®

Item Number: NE-8102

- The EduCamPTZ-B (Pan Tilt Zoom) is a classroom camera for broadcasting and capturing lessons
- Ideal for remote learning in live and recorded mediums
- When coupled with VIEWpath, can be used as a web cam with remote learning applications (see page 12)
- 31x optical zoom
- Resolution up to 1920 x 1080
- Low light performance
- Direct audio input from classroom microphones
- Power over Ethernet

Mic360®

Item Number: XD-9360

- Use to encourage students to actively participate in classroom discussions.
- Teachers can easily manage classroom discussions using "talking stick" method
- "Quiet Toss" feature mutes the microphone while throwing
- Includes Audio Enhancement's XD Teacher Microphone
- Microphone charges while inside Mic360

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Microphones, Receivers

XD Handheld Microphone

Item Number: XD-9050

- Using the Handheld Microphone, students have been found to speak more confidently and thoughtfully
- Push to talk momentary switch for quick statements or talk switch for longer presentations
- Plug in auxiliary devices directly to the XD handheld microphone via the auxiliary line level port
- Volume can be remotely controlled from the
- Teacher Microphone
- Single Lithium Ion rechargeable battery included
- Includes one cable
- Can be used while charging

XD Teacher Microphone

Item Number: XD-9025

- Micro pendant-style Teacher Microphone with clip and lanyard
- Uni-directional electret condenser microphone
- 3.5 mm Microphone input
- Selectable amplifier level remote volume control for own microphone, Handheld Microphone, and auxiliary level inputs (multimedia)
- Single Lithium Ion battery included
- Includes one dual wall charger and cable

XD Receiver

Item Number: XD-9001

- Prevents microphones that are not paired to the receiver from bleeding through
- LED indicators make it easy to tell if microphones are properly connected
- Linking the microphones to the receiver is fast and easy
- System frequency 1.9 GHz
- Adjustable for optimal coverage from small classrooms to cafes, gyms and other large spaces
- Available dedicated media channel allows audio from mobile carts to play through the Classroom Audio System
- Accessories: ceiling tile bridge available, ceiling/wall mount bracket included
- For upgrade kit option, see page 6

Speakers

70V Ceiling Speaker

- Selectable tap switch for 25-, 70-, and 100-volt applications with transformer bypass position
- Impedance: 8 ohms nominal
- Sensitivity: 96 dB 1 W/1 meter
- Power Handling: 50 watts continuous pink noise
- 2-Way system with vented enclosure

Item Number: SP-0300

CS-12 Flush Ceiling Speaker

- Impedance: 8 ohms nominal
- Sensitivity: 88 dB 1 W/1 meter
- Power Handling: 50 watts continuous pink noise
- Plenum-rated back can
- Tuned and ported enclosure for optimal bass response and efficiency
- Quick speaker connects for rapid installation
- Seismic tie down loop for anchoring to structure
- Flush mounts in the ceiling for a clean look after installation
- Kit includes speaker, tile bridge and speaker wire

Item Number: SP-9101

FS-21 2x2 Flat Panel Speaker

- Impedance: 8 ohms nominal
- Sensitivity: 88 dB 1 W/1 meter
- Power Handling: 50 watts continuous pink noise
- Plenum-rated back can
- Vented enclosure
- Lay-in mounting, with 4 tie-off tabs for added mounting integrity
- Kit includes speaker and speaker wire

Item Number: SP-9221

White Wall Speaker

- Impedance: 8 ohms nominal
- Sensitivity: 88 dB 1 W/1 meter
- Power Handling: 50 watts continuous pink noise
- 2-Way system with vented enclosure
- U-Bracket mount included for up to 180 degrees of rotation
- Kit includes speaker, wall bracket with knobs, and speaker wire

Item Number: SP-9151

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Speakers, Miscellaneous

XDSolo® Companion Speaker

Item Number: XD-1110

- Works with the XDSolo
- Accompanying speaker for further coverage
- 50-ft 3.5mm to 3.5mm shielded cable included

AA NiMH Rechargeable Battery

Item Number: IR-5001

- Panasonic AA Nickel Metal Hydride Rechargeable battery for use with teacher and student microphones

AE24V Power Supply

Item Number: AC-1001

- Power supply for CA-30, GL-300, and MS-450 Amplifiers

AE 3.5 to 3.5 Cable 35'

Item Number: AC-0202

- 35' 3.5 to 3.5 plenum-rated, shielded cable

Miscellaneous

AVConnect (HDBaseT)

Item Number: PA-9003

- Supports resolutions up to 4K at 60 Hz
- Transmits to distances up to 300 feet (91 meters)
- Supports USB 2.0
- Supports Power over Cable (PoC)
- Includes RS-232 Control
- Audio return for ALD devices
- HDMI audio de-embedded line out at receiver
- Direct connection to Audio Enhancement amplifiers and the AV Touch Wall Control Panel
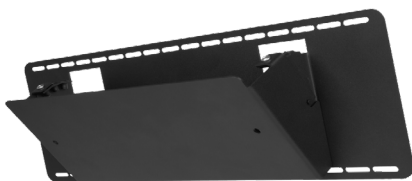
BEAM Bracket—Cart-Mount

Item Number: AC-3006

- For mounting the BEAM to mobile display carts

BEAM Bracket—Vertical-Mount

- Enables the BEAM to stand on the a desk, table, or floor

BEAM Bracket—Wall-Mount

Item Number: AC-3007

- For mounting the BEAM to walls

Miscellaneous

Cable—50 ft Plenum Rated CAT6

Item Number: AC-0106

- One 50 ft. plenum rated cable with CAT6 connectors on both ends

Cable—Plenum Rated Gray CAT6

Item Number: AC-0125

- One 3 ft. plenum rated cable with CAT6 connectors on both ends
- Recommended for MS-500 Amplifier (see pg. 13)

Cable—Plenum Rated Green CAT6

Item Number: AC-0122

- One 50 ft. plenum rated cable with CAT6 connectors on both ends
- Recommended for MS-500 Amplifier (see pg. 13)

Cable—Plenum Rated Orange CAT6

Item Number: AC-0123

- One 50 ft. plenum rated cable with CAT6 connectors on both ends
- Recommended for MS-500 Amplifier (see pg. 13)

Miscellaneous

Cable—Plenum Rated Purple CAT6

- Plenum rated cable in varying sizes with CAT6 connectors on both ends
- Recommended for MS-500 Amplifier (see pg. 13)

Item Number: AC-0118 (3 ft.)   Item Number: AC-0117 (15 ft.)   Item Number: AC-0116 (35 ft.)

Item Number: AC-0115 (50 ft.)   Item Number: AC-0119 (100 ft.)

Cable—Plenum Rated White CAT6

- One 50 ft. plenum rated cable with CAT6 connectors on both ends
- Recommended for MS-500 Amplifier (see pg. 13)

Item Number: AC-0124

Cable—Plenum Rated Yellow CAT6

- One 50 ft. plenum rated cable with CAT6 connectors on both ends
- Recommended for MS-500 Amplifier (see pg. 13)

Item Number: AC-0121

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Miscellaneous

CLAUDIA Classroom Media

- Provides connectivity and control of the local sound system right at the teacher's desk
- Connect computer through integrated audio input
- Connect phones and other devices with Bluetooth® Link
- Simple integration teleconference services

Item Number: XD-0900

CLAUDIA Front Office

- Provides an easy interface for streaming music to designated parts of campus through EPIC System (see page 8)
- Play music from devices connected directly or via Bluetooth®
- Store 200+ songs directly on CLAUDIA

Item Number: EP-0105

Miscellaneous

Handheld Microphone Holder

- Designed to store the XD or IR Handheld Microphone
- Can be installed on walls, inside cabinets, or on a mobile cart
- Optional upgrade to a modified Handheld Microphone Cart Kit (3100-0661) comes with modified XD Handheld Microphone, charging cord, dual USB charger, 3.5 mm audio cable, and battery

Item Number: AC-2032

Hydra II Adapter

- Facilitates the upgrading of existing classroom sound systems to include wireless teacher and student microphones
- Powers the wireless microphones from the existing system using an innovative power "loop through" design
- Operates over wide voltage range—12 to 24 VDC
- Interfaces directly with and receives power from existing Extron PoleVault® Systems
- Provides balanced and unbalanced outputs
- Includes audio patch cables compatible with 3.5 mm TRS and RCA inputs
- Includes hook and loop adhesive backed fasteners for easy attachment

Item Number: AC-2067

Non-Metallic AE Classroom Encl.

- 11.75" x 16.25" x 3.5" enclosure
- Eliminates the need for an A/V rack in the room
- Latching hinged lid keeps the gear safe and secure
- Ample ventilation
- Single gang knockout for optional wall plate
- Includes quick-locking cable system for fast installation

Item Number: AC-3000

Miscellaneous

Pendant Shroud for 70-V Speaker

Item Number: SP-0307

- Designed specifically for Audio Enhancement's 70V Ceiling Speaker (see page 14)

Plenum-Rated Sensor Cable

Item Number: AC-0019

- Upgraded from standard coaxial cable (RG-6) to plenum-rated coaxial cable terminated with F connectors

Speaker Wire

Item Number: AC-0003

- One 50 ft. speaker wire, 18 gauge, plenum rated

USB to Micro USB Charging Cable

Item Number: XD-5021

- Charging cable used with XD microphones

Miscellaneous

Volume Control for 70V Speaker

- Works for 25V, 70V, and 100V intercom, paging, and bells systems
- Adjusts volume from minimum to maximum by turning clockwise through 11 positions with no cut

Item Number: PA-0191

Wall Mount Power Supply

- Power supply for CA-60 Amplifier

Item #	Description
AC-1002	Power Supply, Wall Mount 24VDC 2A
AC-1003	15', Plenum Power Cable

WPA-03 CA-30A Wall Plate

- Provides for additional line input and line output that can be used for recording or Assistive Listening Device (ALD)
- Connects to the CA-30A amplifier
- Single CAT6 connection between Amplifier and wall plate

Item Number: NE-0003

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Miscellaneous

XD Microphone Dual USB Charger

Item Number: XD-5011

• Charges two XD Microphones simultaneously

XD Microphone Lithium-Ion Battery

Item Number: XD-5001

• Battery will stay charged all day long
• Replacement battery for XD Handheld Microphones and XD Teacher Microphones

XDSolo Speaker Stand

Item Number: PA-0152

• Tripod mount for XDSolo portable speaker system

Warranty Quick Guide

Warranty Length	Equipment Covered
5 Years	Audio Enhancement amplifiers except MS-500; BEAM, XDSolo, microphones, chargers, speakers, power supplies, and most other classroom audio equipment
3 Years	EduCam360, EduCamPTZ, SAFE Controller, MS-1000, Audio Enhancement AV Components (AVConnect), EPIC System NUC, SAFE System NUC, EPIC System Server, MS-500, MS-300
1 Year	All cabling and Audio Enhancement installs, EPIC System Hard Drives, EPIC System Touchscreen Monitor, EPIC System Paging Microphone, Classroom Wall Box, ITC-1, Uninterrupted Power Supply (UPS), Mic360™, SD Card for EduCam360, Wall Plate Accessories (WPA), general electronics, specialty cables and adapters
90 Days	Batteries
Other	Audio Enhancement Servers and other 3rd party equipment may have varying warranties

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