Series- Basic
Conference System

EDC-2000-V2

The EDC series is BXB Electronics' cost-effective and highly efficient digital conference system with over hundreds of successful installations worldwide. With the continuous evolution of digital networks and the ESG trend, BXB Electronics has comprehensively upgraded the EDC-1000 series to the EDC-2000-V2 series, offering faster connectivity, easy maintenance and replacement, and an enhanced integrated user experience. You don't need a complete replacement; the new and old models can be used together. If you haven't upgraded yet, now is the perfect time!



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Main product information

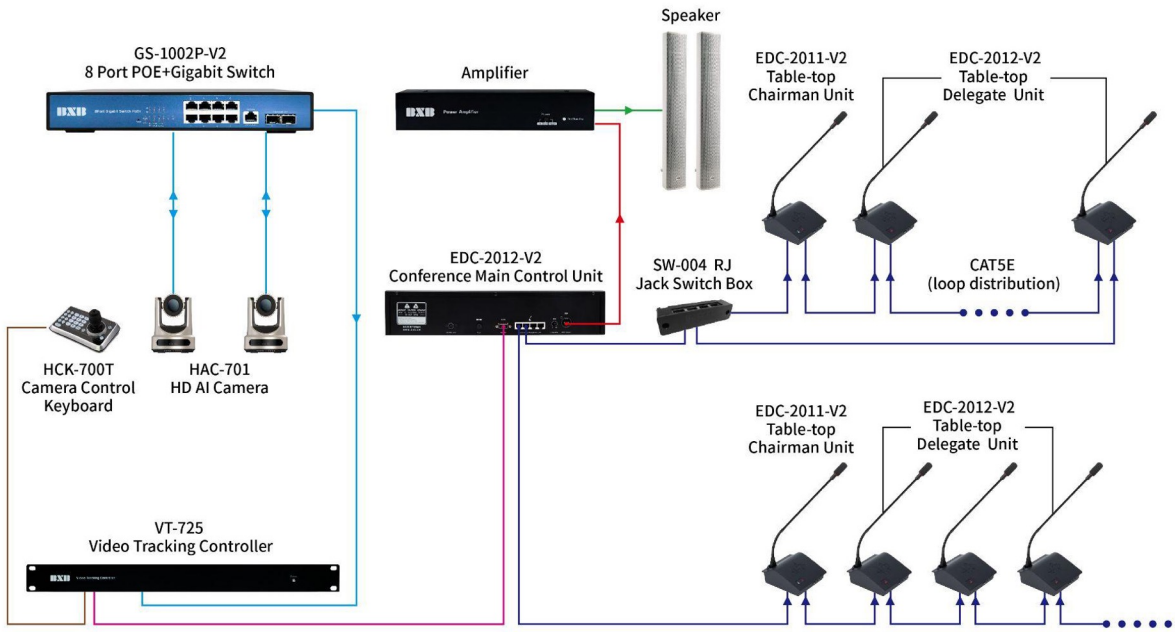


EDC-2051-V2

Conference Main Control Unit

- Using CAT-5e network cables to connect all conference microphones, ensuring quick installation and effortlessly meeting the requirements of small-scale conferences.
- Featured with 4 sets of RJ45 output ports: A single loop can connect up to 13 microphones, allowing a total connection of 50 sets. With the addition of the BXB Extension Power Supply, the capacity can be expanded to a maximum of 265 microphones (255 delegates + 10 chairmans).
- Digital encoding technology eliminates the complexity of traditional dip-switch settings, allowing easy configuration of the ID codes for each conference microphone from the MCU.
- Features a 4x20-bit LCD display screen: It can show settings for conference modes, the MIC IDs currently in use, and the conference system's output volume.
- Supports three speech modes: Normal/Chairman/Override.
- Featured with an RS-232 interface for integration with equipment such as the BXB VT-725 Video Tracking Controller, cameras, and environmental control systems.
- Includes 1 set of audio output terminals (XLR balanced) with digital volume adjustment capabilities for connecting to recording and audio equipment.
- MIC auto-off function can be activated or deactivated, with settings for 30 or 45 seconds.
- Configurable for simultaneous activation of 1 to 9 microphones or an unlimited number.
- Features a microphone system testing function that automatically detects the status of conference microphone connections upon startup.

EDC-2000-V2 Series- Basic Conference System



CAT.6 CAT.5e Audio Cable HDMI RS-232 RS-485 Speaker Cable

Hardware Specifications

Microphone Link	RJ-45 x 4
Aux Output	XLR Plug (MONO)
Frequency Response	20 Hz-20K Hz @ +-2dB
T.H.C	≦ 0.15%
S/N Ratio	≧90dB@Frequency 1KHz
RS-232 Connection	D-SUB Male 9 Pin x 1

Physical Characteristics

Unit Size (WHD)	431 x 94 x 311 mm
Weight	4.54kg (adaptor excluded)
Operation Temperature	0°C-40°C
Storage Temperature	-15°C-55°C
Relative Humidity	45%-70% (non-condensing)
Pneumatic Value	86KPa ~ 106KPa

Power Supply

Output Voltage	DC 24V
Output Rated Current	6.9A
Output Rated Power (MAX.)	124W
Input Voltage Range	AC90~264V
Input Frequency Range	47~63Hz
Standby Current	≒ 180mA @DC18V



EDC-2011-V2
EDC-2012-V2

Table-top Chairman / Delegate Unit

- Utilizes CAT-5e cables for quick installation, meeting the demands of small-scale conferences.
- Employs digital encoding, allowing easy configuration of the ID code for each unit from the MCU, eliminating the cumbersome setup of traditional dip switches.
- Supports daisy-chain and ring wiring. In ring wiring, even if one mic experiences disconnection or failure, it does not impact the operation of other microphones, enhancing system reliability.
- Features a built-in 2.5” loudspeaker, eliminating the need for installation of extra speakers.
- When the mic is in use, the speaker automatically mutes to prevent feedback.
- Equipped with a talk button and backlight indicator, showing control/display speaking status.
- The microphone head has a red LED indicator, clearly showing the speaking status.
- The system allows unrestricted placement of the chairman unit, which can be positioned at any location within the loop.
- The chairman unit includes a priority talk control button for cutting off delegate speeches.
- 3.5mm stereo jack for recording or connecting headphones, with adjustable volume.
- The gooseneck mic comes in various lengths (43/48/56/70 cm) to meet on-site requirements.
- The mic includes windscreen and noise-resonance suppression. The mute material used in the gooseneck ensures immediate adjustment to prevent fatigue or drooping during prolonged use.

Hardware Specifications

Connection	RJ45 double ports
Earphone OUT	Φ 3.5 stereo x 1
Recording OUT	Φ 3.5 stereo x 1
Frequency Response	100Hz-10KHz
Sensitivity	≧ -47dB +-3dB
Total Harmonic Distortion	≦ 0.15%
S/N Ratio	≧ 58dB
Max. Input Level	100dB @1KHz, THD < 5%

Physical Properties

Unit Size (WHD)	142 x 65 x 150 mm
Weight	700g (not including mic)
Operation Temperature	0°C -40°C
Storage Temperature	-15°C- 55°C
Relative Humidity	45%-70% (non-condensing)
Pressure Level	86KPa-106KPa

Power Supply

Supply Voltage	DC 18V
Standby Current	≒ 30mA



WS-8140
WS-6130

Waterproof Hi-Fi Column Speaker



Aluminum alloy multi bracket



Frequency-division Circuit



Switch Control

Model No.	WS-8140	WS-6130
Rated Power (RMS)	40W	30W
Number of Loudspeakers	3.5" Woofer x 8 + 3.25" Tweeter x 1	3.5" Woofer x 6 + 3.25" Tweeter x 1
Power Rating (100V)	40W-20W-10W-5W	30W-15W-7.5W-3.75W
Power Rating (70V)	20W-10W-5W-2.5W	15W-7.5W-3.75W-1.875W
Impedance	250Ω-500Ω-1KΩ-2KΩ	333Ω-667Ω-1333Ω-2667Ω
Sensitivity (1W / 1M)	94dB	93dB
MAX. S.P.L.	110dB	108dB
Frequency Response (-10dB)	110Hz ~ 20KHz	120Hz ~ 20KHz
Dispersion 1KHz / 4KHz	180° / 150°	180° / 140°
Water Resistant Rating	IP55	
Power Selection	Switch Controller for 4-level 100V / 70V high impedance and 6 / 8Ω low impedance	
Dimension (LWD)	1016 x 124 x 108 mm	813 x 124 x 108 mm
Material	Housing: aluminum alloy / Grille aluminum	
Weight	7.9 kgs	5.8 kgs
Mounting	Aluminum alloy multi bracket	



PAB-5240

Power Amplifier (100V-240V)

- Two channels model: 120W RMS/per channel. Adaptable with 4-8 Ohm loads; suitable for small to medium sized meeting rooms.
- Bridged mode 240W output for 70V or 100V loudspeakers (direct drive).
- Power down after 15 minutes of no signal and comply with Energy Star Power consumption limits of < 0.5W in standby.
- LED at the front panel to indicate the current operation status.
- Selection for power-up mode, standby mode, and trigger mode.
- Switch for High Pass Filter to reject the frequency below 80Hz, avoiding the damage to loudspeakers.
- Equipped 12VDC terminal block for remote control.
- Short circuit & overheating protection without fan.

Hardware Specifications

Power Rating	120W@8Ω<1% THD+N 120W@4Ω<1% THD+N 240W Bridged 70V/100V <1% THD+N
Frequency Response	20Hz-20kHz, +/- 2dB@4Ω Load
Signal to Noise	>90dB@1W (20Hz-20kHz)
Input Sensitivity	1V (+2.2dBu)@Max Output 4Ω
Gain Value	25dB@4Ω
Input Impedance	>10k, Balanced
Maximum Input Level	12.3V (+24 dBu)
Trigger In/Out	DC12V
High Pass Filter	80Hz (±2dB)
Input Connector	5pin Euro terminal
Trigger Connector	3.5mm Jack
Output Connector	4pin Euro terminal (4Ω/8Ω) 2pin Euro terminal (70V/100V)

Physical Properties

Dimensions (WxHxD)	214 x 44 x 250 mm
Net Weight	1.88kg
Cabinet 19"	1U

Power Suply

Voltage	AC 100~240V, 50-60Hz
Power	350W

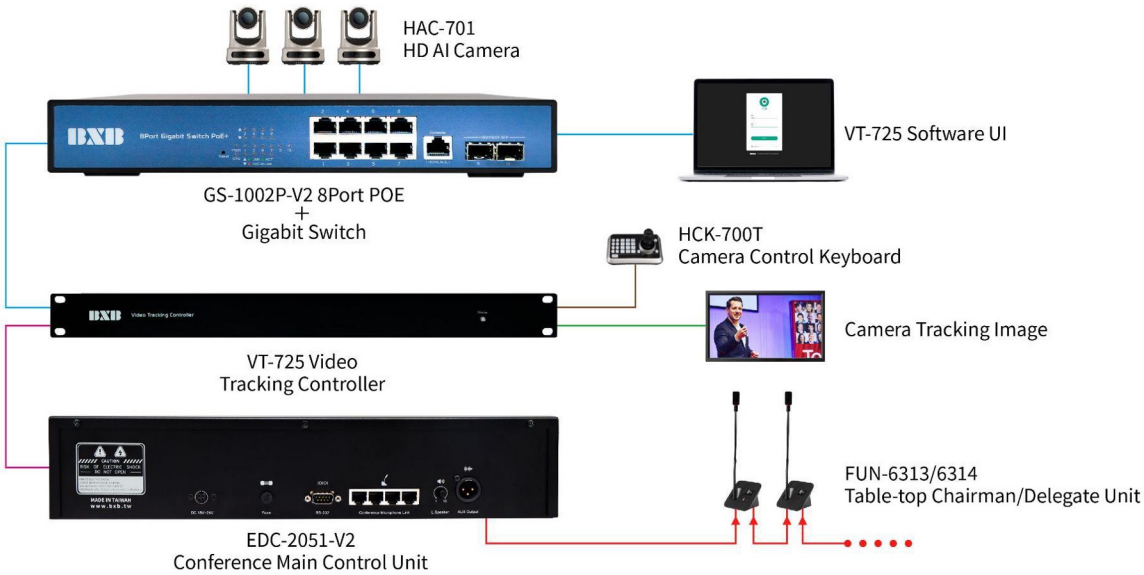


VT-725

Video Tracking Controller

- **Easy control and setup**: Effortlessly configure the BXB HAC-701 and UAC-801 cameras, adjusting default positions, Zoom in/out, movement speed, and other functions.
- **Support for up to 1011 physical pre-set points**: This includes 1009 conference microphones and 2 HOME points, catering to various venue sizes and requirements.
- **Unlimited virtual positioning points**: Without the need for conference mic linkage, in open seating areas within the venue, an unlimited number of screen tracking points can be preset.
- **Precise multi-camera control**: Manage up to 16 cameras to capture multiple areas at once.
- **Automatic scenario switching**: When there is no one speaking, the system can automatically switch the screen back to panoramic or a designated view (e.g., chairman's view). If someone forgets to turn off the microphone after speaking, the system will automatically switch to the specified view when the last microphone is closed, avoiding screen occupation, reducing communication barriers, and enhancing meeting efficiency.
- **Simple web page control**: Easily configure and monitor camera screens through a PC or tablet without the need to download additional driver software.
- **Seamless integration with multiple interfaces**: Connect to various conference hosts using RS-232, link to camera control panels with RS-485, and interconnect with multiple devices through RJ-45 network communication via network switches.
- **High-Definition HDMI Output**: Output the IP camera's video at 1920*1080 resolution.

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Hardware Specifications

HDMI Input	Type-A x 4
HDMI Output	Type-A x 2
Audio Output	3.5mm x 1
Power Button	Locke Switch x 1
TCP/IP Connection	RJ45 x 1
RS232 Control	European terminal block 3P x 1
RS485 Control	European terminal block 3P x 1
USB Port	Type-A (3.0) x 1 Type-A (2.0) x 2
Power Input	DC Jack x 1

Physical Information

Dimensions (HWD)	44 x 483 x 205mm (without ear racks)
Cabinet installation 19"	1U
Weight	2030g
Operating temperature	0~40°C
Storage temperature	-20~60°C
Humidity	0~80% RH, no condensed
Material	Metal

Power Supply

External Power Supply	DC12V / 3.34A
Voltage/Frequency	AC 100~240V / 50~60Hz
Total Power	40W
Transformer Weight	240g



GS-1002P-V2

8Port POE+Gigabit Switch

- Provide & manage the power of PTZ cameras, IP phones, 11ac wireless AP, IP surveillance, and other powered devices, offering a quick and cost-effective POE network solution for enterprises, hotels, education, and smart building.
- 8 sets of 10/100/1000 Mbps RJ45 copper ports complied with IEEE 802.3at POE, end-span PSE.
- Remote power feeding up to 100M in standard mode.
- Supports SFP auto-detection and dual speed. The distance can be extended from 550M to 2KM (multi-mode fiber) and up to 10/20/30/40/50/70/120KM (single-mode/WDM fiber), easily realizing ultra-long distance transmission.
- POE management via Web-based interface: remotely check and control POE power budget, POE port function, power feeding priority, POE schedule, per POE port power limitation, and so on.
- Robust QoS & DSCP features: empowering the enterprises to take full advantage of the limited network resources.
- Supports DHCP snooping, STP BPDU, and ARP inspection: prevents from attack and constructs highly-secured network.

Hardware Specifications

Copper Port	8x10/100/1000Base-T RJ45 auto-MDI/MDI-X port
SFP/mini-GBIC	2x100/1000Base-X SFP interface
	Supports 100/1000Mbps dual mode and DDM
POE Port	8 ports with 802.3at/af standard
Console	1 x RS-232-to-RJ45 serial port (115200, 8, N, 1)
Switch Architecture	Store-and-Forward
Switch Fabric	20Gpbs/non-blocking
Switch Throughput@64Bytes	14.88Mpps
Address Table	8K entries
Shared Data Buffer	4.1 MB
Flow Control	IEEE 802.3x pause frame for full-duplex
Jumbo Frame	10K bytes
Reset Button	<5 sec: system reboot; >5 sec: factory default
LED	PWR, LNK/ACT, PoE-in-use, 1000, fan alert
ESD Protection	Contact discharge 4V DC; Air discharge 8KV DC

Power over Ethernet

PoE Standard	IEEE 802.3af/802.3at PoE/PSE
PoE Power Supply Type	End-span
PoE Power Output	Per port 56V DC, 30W (max.)
Power Pin Assignment	1/2(-), 3/6(+)
PoE Power Budget	140W (max.) @25°C; 120W (max.) @50°C
PoE Ability PD@9W	8 units
PoE Ability PD@15W	8 units
PoE Ability PD@30W	5 units

Physical Properties

Dimensions (WDH)	330 x 155 x 43.5 mm (1U height)
Weight	1.687 Kg
Material	Metal
Operation Temperature	0 ~ 50°C
Storage Temperature	-20 ~ 70°C
Relative Humidity	5 ~ 95% (non-condensing)



HAC-701

HD AI Camera

- Full HD 1080p/60fps: utilizing a premium 1/2.8" CMOS sensor and next-gen AIoT edge AI chip, delivering stable visuals and capturing details in presentation slides, classroom whiteboards, displayed products, and more.
- 2D/3D digital noise reduction: even in low light and backlit conditions, it maintains vivid and distortion-free image performance.
- 20x optical zoom with 60.7° horizontal field of view: ideal in large venues for capturing panoramic views of critical scenes.
- Comprehensive video interfaces: equipped with HDMI 1.3, 3G-SDI, USB 3.0, and 1Gbps LAN ports, it seamlessly caters to various scenarios like live-streaming, lectures, remote teaching, eSports, and religious events.
- Advanced AI tracking: automatically identifies and follows speakers in real-time, ensuring perfect centering despite external interferences or obstructions.
- 225 preset points: easily capture presenters with pre-configured angles during meetings, allowing both local and remote participants to focus on the speaker.
- Intuitive WEB UI: remote control and monitoring via RS-232/485/Ethernet enable easy adjustment of tracking presets, streaming modes, image rotation/mirroring, and more.
- PoE power supply: control, power, video, and audio transmission via a single cable.



WEB UI Control



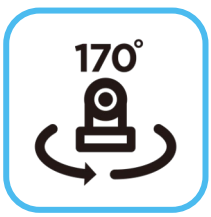
PoE Power Supply



Full HD 1080p



Ceiling Mount & Image Flip



170° High Pan Angles

EDC-2000-V2 Series- Basic Conference System

Camera & Interfaces

Video System	1080p: 60/50/30/25 1080i: 60/50 720p: 60 /50
Image Sensor	1/2.8" CMOS; 207K effective pixels
Optical Zoom	20x, f4.42mm~88.5mm, F1.8~F2.8
Digital Zoom	16x
Min. Illumination	0.5Lux@(F1.8, AGC ON)
Shutter	1/30s~1/10000s
White Balance	Auto, indoor, outdoor, one-push, manual, specified color temperature
Backlight	YES
Digital Noise Reduction	2D&3D
Video S/N	≥55dB
Horizontal Angle	60.7°~3.36°
Vertical Angle	34.1° ~1.89°
Horizontal Rotation Range	±170°
Vertical Rotation Range	-30°~+90°
Pan Speed Range	1.7°~100°/s
Tilt Speed Range	1.7°~69.9°/s
H&V Flip	
Image Freeze	YES
Preset Points	YES
Preset Accuracy	255 0.1°

IPC Feature

Video Compression	H.264/H.265
Video Stream	2
Main Stream Resolution	1920x1080/1280x720/1024x576/960x540/640x480/640x360
Sub Stream Resolution	1280x720/1024x576/720x480/720x408/640x360/320x240/320x180
Video Bit Rate	32Kbps~102400Kbps
Bit Rate Type	Variable/Fixed
Frame Rate	1fps~60fps
Audio Compression	AAC
Audio Bit Rate	96Kbps, 128Kbps, 256Kbps
Support Protocols	TCP/IP, HTTP, RTSP, RTMP, Onvif, DHCP, Multicast, etc.

Input/Output Interface

USB Interface	USB 3.0 x 1 (Type-A)
HD output	HDMI1.3 x 1/3G-SDI x 1
Network Interface	RJ45 x 1 : 10M/100M/1000M Ethernet, POE supported
Audio Interface	Line In (3.5mm) x 1/ Line Out (3.5mm) x 1
Control Interface	RS-232 x 2/RS-485 x 1

USB Feature

Operate System	Windows 7/8/10, Mac OS X,
Color System	Linux (UVC required)
Video Format	YUY2/H.264/MJPEG YUY2: Max 1080P@60fps
Audio on USB	YES
Video Communication Protocol	UVC 1.1, UVC1.5
UVC PTZ control	YES

Physical Property

Operating Temperature	0°C ~ 40°C
Storage Temperature	-40°C ~ 60°C
Dimensions	169 x 141.5 x 176 mm
Net Weight	1.5KG
Input Voltage	DC 12V / PoE (802.3af)
Input Current	1.0A
Power Consumption	15W (max.)



HCK-700T

Camera Control Keyboard

- Compact and ergonomics design with 4-axis joystick.
- Versatile applications of NDI cameras, video conference cameras, and IP cameras.
- High brightness OLED display for easy operation.
- 4-axis joystick for Pan / Tilt / Zoom and focusing.
- Supports RS-232 / RS-485 control for compatibility with most PTZ cameras.
- Key buttons for quick access to camera white balance, backlight compensation, and brihtness.
- Supports the max. of 128 preset points.
- One unit allows controlling the max. of 255 cameras under different protocols.
- Auto backlight key for enhanced viewing and operation.
- Duplicate password protection from unauthorized operation and settings.

Hardware Specs

Comm. Interface	RS-232 / RS485
Protocol	VISCA / PELCO-D / PELCO-P
Baud Rate	2400 / 4800 / 9600 / 19200 / 38400 bps
Camera Address	1~255
Joystick	4-axis (Pan / Tilt / Zoom / Focus)
Display	OLED

Physical Properties

Dimensions (LWH)	200 x 120 x 103 (mm)
Net Weight	0.5 kg
Operating Temperature	0°C~+40°C
Storage Temperature	-20°C~+50°C
Relative Humidity	≤90% (non-condensed)

Power Supply

Power Source	DC12V±25%
Power Consumption	<2W



EPS-C083-C

Extension Power Supply (RJ45 to RJ45)

- Equipped with five RJ45 ports: output x 4; input x 1 for connection with conference units.
- Enable to supply up to 50 microphone units (max. 20 units in single loop).
- Works with BXB EDC-2000-V2, UFO-2000, and FCS-6300 conference system series.
- DIN-type AC input for better current carrying capacity and loose contact.

Hardware Specifications

DC Voltage	24V
Rated Current	5A
Rated Power	120W
Operating Temperature	0°C ~ 40°C
Storage Temperature	-15°C ~ 55°C
Humidity	40~70% (non-condensing)

Dimensions (WHD)	160 x 26 x 65 mm
Weight	230g
Connectors	Loop input: RJ45 x 1 Loop output: RJ45 x 4
LED Indicator	Power on x 1



SW-004

4 Ports RJ Jack Switch Box

- Each box is equipped four RJ45 8P8C ports for the deployment and distribution of CAT-5e, CAT-6, and CAT-6a cables. It's compatible with BXB all-series conference system and ICP-5100 Multimedia PA System.
- Easily deploy daisy-chain, ring, tree, or star topology as you need, which effectively decreases the length of used cables and maximizes the cabling flexibility.
- With two screw holes for fixing on the table.

Hardware Specifications

Operating Temperature	0°C ~ 40°C
Storage Temperature	-15°C ~ 55°C
Relative Humidity	45% ~ 70% (non-condensing)
Material	ABS
Weight	≒ 36g
Dimensions (WDH)	92 x 22 x 23 mm

Application in Conference System

