



BXB ELECTRONICS CO., LTD.
6F-1, No.288-5, Xinya Rd., Qianzhen
Dist., Kaohsiung City 80673, Taiwan
T: +886(7)970-3838 E: bxb@bxb.tw
www.bxb.tw

1. SYSTEM OVERVIEW

Built-in High-quality Speaker

EDC microphone unit is equipped with built in 2.5” x 1.5” high-quality speaker, which can make speaker who sits further clearly hearing the sound. Besides, the shape of the speaker hole is designed as butterfly. Butterfly is not only the original concept of BXB’s logo, but also the assonance of “fu die” (double-fortune) in Chinese. The inspiration is for creating a harmonious and joyful atmosphere in every meeting occasion.

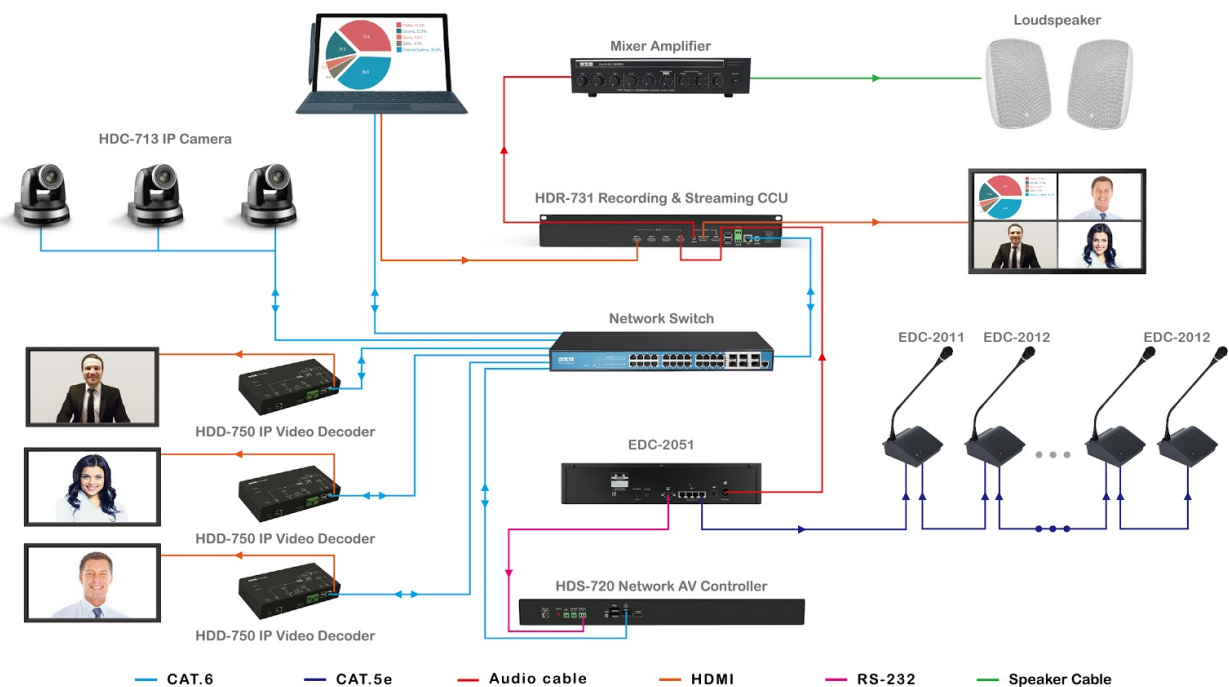
Equipped with Standard RS-232 Protocol

Able to output the microphone ON/OFF status signal into environmental control system to operate PTZ control for image-tracking camera.

Fast Installation, Easy to Carry Out a Small Meeting

Equipped with cat5e cable connection for conference microphone, make installation procedure quicker and easier.

2. SYSTEM SCHEMATIC DIAGRAM



3. EQUIPMENT SPECIFICATION

3.1 EDC-2051 Conference Main Control Unit- with LCD Display



- Quick installation, easy maintenance: equipped 4-chain RJ45 connection. Each link enables 15 units; the total is 50 units.
- 4x20 digits LCD screen display: showing system status, conferencing mode, the qty. of connected units, microphone's volume and other settings.
- Multi-conferencing operating modes: Normal / Chairman /Override.
- Equipped with RS-232 interface: connects with BXB HDS-720 IP Network AV Controller, camera, and other environmental control equipment for system integration.
- The equipped XLR plug enables the connection with other recording and audio equipment.
- Equipped with microphone auto-scanning: helps ensure the normal status of each microphone before meeting.

3.2 EDC-2011 Table-top Chairman Unit



- Featured with a built-in 2.5" HI FI monitor speaker. When the microphone is operated, the speaker would be auto-off to avoid sound feedback.
- Built-in microphone voice sensor for automatic turn-off function.
- Built-in recording output, simple way to reserve meeting minutes.
- Built-in headphone output (volume adjustable).
- Pluggable gooseneck microphone with shield and flexible tube for easy installation and maintenance (length provided: 43/48/56/70cm).
- Gooseneck microphone with illuminating red ring to indicate speaking status.
- Prevents the interference of electromagnetic wave.
- There's no limitation of chairman unit's quantity; the position and sequence of chairman unit can also be random.

3.3 EDC-2012 Table-top Delegate Unit



- Featured with a built-in 2.5" HI FI monitor speaker. When the microphone is operated, the speaker would be auto-off to avoid sound feedback.
- Built-in microphone voice sensor for automatic turn-off function.
- Built-in recording output, simple way to reserve meeting minutes.
- Built-in headphone output (volume adjustable).
- Pluggable gooseneck microphone with shield and flexible tube for easy installation and maintenance (length provided: 43/48/56/70cm).
- Gooseneck microphone with illuminating red ring to indicate speaking status.
- Prevents the interference of electromagnetic wave.

3.4 WM-43/48/56/70 B1HT Gooseneck Microphone



- Length: 43 / 48 / 56 / 70 (cm). Adaptable for different meeting environments.
- Able to avoid electromagnetic interference, even with 3G and 4G cell phones within 10cm.
- Equipped with shield and flexible gooseneck tube, with easy positioning and silent movement.

3.5 AWS-6502 Waterproof two-way speaker



- Prevent the damages due to moisture or leaking.
- 100V and 8Ω signal inputs for signal transformation.
- The material of anti-dust mesh is aluminum alloy.
- Arc-shaped outlook. Equipped with circular-arc 2D rack for fixing on the wall and adjusting the angle.
- Low unit: 6.5” PP anti-dust material.
- High unit: 1.25” titanium material.
- Frequency response: 60Hz ~ 20KHz.
- Sensitivity: 92dB.
- Power output: 50W/8Ω; peak power: 100W / 8Ω.
- The high-impedance voltage is adjustable: 100V (20W/15W/10W/5W).
- Complied with IP66 waterproof standard.

3.6 Mixer Amplifier (120W) (BXB PA-5120PQ)



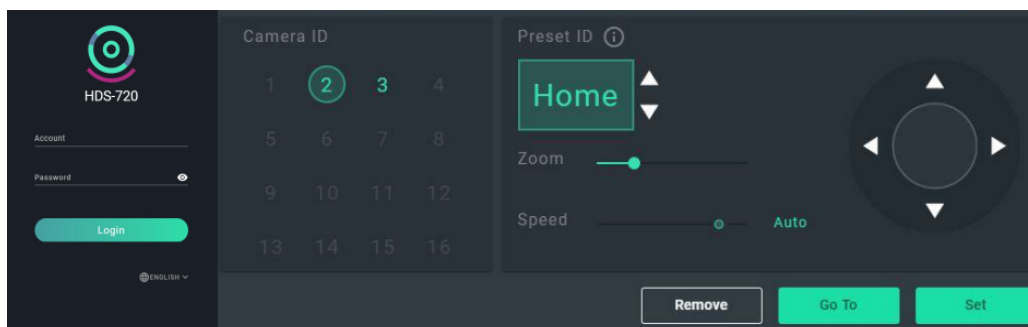
- Rated output: RMS 120W.
- Speaker output: 4-16Ω/70V/100V.
- 5 zones +1 ALL CALL switch.
- AUX input: 4 sets of individual volume control.
- MIC input: 4 sets of individual volume control.
- Equipped with 2 sets of MIC priority buttons for setting broadcasting priority.
- Recording output: unbalanced, RCA jack.
- 1 set of EQ IN/EQ OUT port (able to connect with professional mixers or digital sound processors).
- Built in with double electronic protection circuit and LED indicator for short circuit and overloading protection.
- Automatic temperature control to activate the cooling fan.

3.7 HDC-713 PTZ HD Camera



- Full HD 1080p supported high definition signal output format
- High frame rate supporting 60 frames per second
- Up to 128 user defined preset modes to allow ease of use in all environments
- 60 times variable zoom ratio (15x optical zoom with 4x digital zoom)
- 3G-SDI, DVI, Component, C-Video image output synchronously
- Maximum horizontal/vertical speed of rotation: 120 degrees / sec
- Wide Pan/Tilt/Zoom mechanism:
 - Horizontal viewing angle: -170° to +170°
 - Tilting angle up to 90°, and down to -30°
- Fast response delivers extremely clear image without blur even while being operated
- High speed, stable, quiet, and positioning precisely ensure image quality
- Compatible with major video conferencing and lecture capture codec

3.8 HDS-720 Network AV Controller



- IP Camera Control and Setting: set and save the preset points of BXB's HDC-713 IP Camera. Support the total of 1011 points (conference unit x 1009 + HOME + panorama view) and control the maximum of 16 cameras.
- Intuitive Web Interface: you can configure the system settings and control & monitor the camera's images on the web browser via the PC or mobile devices.

- Extensive Functions for Image Display: operate with HDD-750 IP Video Decoder, you can override the images.
- Equipped with RS-232 port: connect with BXB's UFO-2050 Conference MCU to control the camera.
- Equipped with RS-485 port: connect with BXB's HCK-700
- Compact Camera Controller to control the camera.
- Equipped with RJ45 port: connect with BXB's FCS-6350 Conference MCU to remotely control the camera via Internet.

3.9 HDR-731 Recording & Streaming CCU



- The front panel is equipped with buttons for quick recording, live streaming, and layout-switching.
- 4-CH FHD 1080P60 video inputs: choose either IP camera or HDMI as the video source.
- 2-CH HDMI outputs for viewing your multi-view and program(PGM).
- Support TSMP, HLS, RTSP, and TS protocols for broadcasting videos online. You can livestream to any two platforms simultaneously (eg. Facebook, Youtube).
- Offer various display layouts including quadview, PIP and PBP, etc. It also provides customization for you to design your own display mode catering to the demands.
- HDMI or analog stereo for 4-CH audio input: the audio sources can be mixed and the volume of each source can be adjusted individually.
- Support snapshot: snapshot the JPEG/BMP images of the 4-CH source and PGM output.
- Equipped with Web UI for remote controlling the AV source switch, channel coding, recording format, and live streaming.
- Save files with 1TB storage, USB hard disk, and NAS.

3.10 Gigabit Network Switch (BXB GS-2804): 24 ports for internet, 4 ports for optical fiber



- Ports
 - 10/100/100Mbps RJ45 NWay: 24 ports.
 - SFP 100/100 Mbps: 4 ports.
 - DB9 console port: 1port.

Reset to default setting button: 1 set.

- Support MDI/MDI-X auto cross-match.
- Complied with IEEE802.3, 802.3u and 802.3ab Ethernet standard.
- Support IEEE802.3x flow control.
- Support IGMP snooping v2/v3.
- Support QoS: CoS, DSCP, CoS-DSCP, and IP Precedence.
- Support 8 queues handled by SP and WRR.
- Support jumbo frame: 1518-10K Bytes.
- Support 8 link aggregation groups with static & LACP types.

4. BXB CASE STUDIES

4.1 Kyongnam Bank, South Korea (BXB EDC conference units 52 pcs)



4.2 4th Region Audit Dept, Vietnam
(BXB EDC conference units 14pcs)



4.3 Yu Da University of Science and Technology, Taiwan
(BXB EDC conference units 143 pcs and a camera tracking)



4.4 The Federation of Chinese Assembly Hall, Malaysia
(BXB EDC conference units 17 pcs)



Thank you for your attention.

Website: www.bxb.tw

Twitter: [www.twitter.com@ourbxb](https://twitter.com/ourbxb)

Facebook: <https://www.facebook.com/BXB.tw/>

Linkedin: <https://www.linkedin.com/company-beta/4813342/>