ICP-5200 IP-based Multimedia PA System

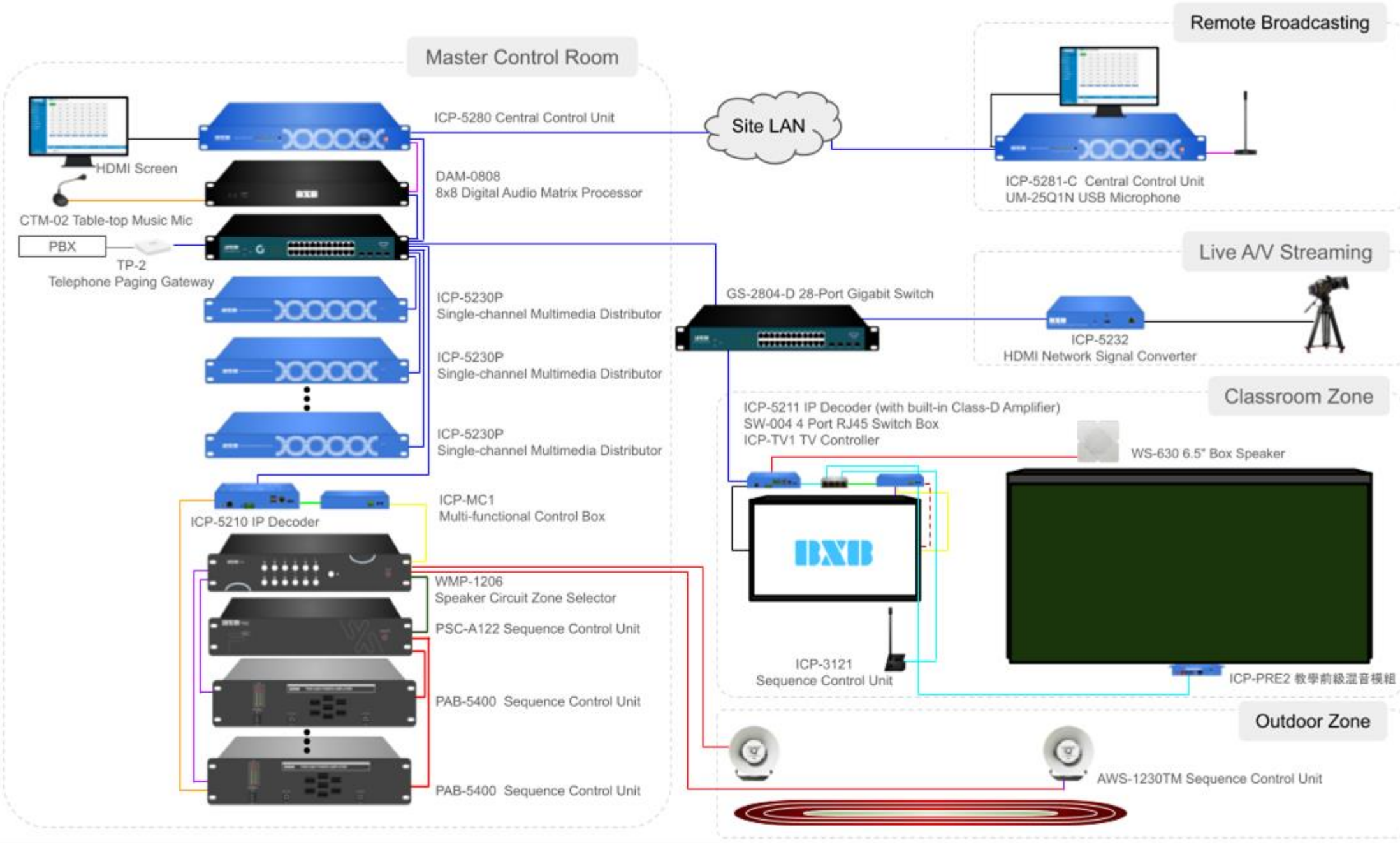
The ICP-5200 is an advanced smart venue solution that integrates IoT, big data, video streaming, and cloud technologies. It supports local broadcasting, security surveillance, environmental monitoring, and video intercom functions. This system delivers high-definition video quality and clear audio streaming with low latency and synchronous playback features, and it can be flexibly controlled centrally or independently via standard TCP/IP communication.

With intelligent scheduling, the system automagically manages venue electronics, such as adjusting air conditioning and activating digital screens. It also integrates government Open Data to provide real-time earthquake alerts and air quality updates, significantly enhancing public broadcast rates and safety. The ICP-5200 is widely applicable in smart campuses, department stores, factories, airports, stations, hotels, communities, and emergency response command centers, offering a broad range of intelligent management solutions that extend to smart city applications.



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System Connection



CAT.5e | HDMI | Audio Cable | Power | Speaker Cable | RS-232 | Telephone Cable | USB | CAT.5E | IR or RS232 | IR Emitter | Dedicated Control Cable



ICP-5281-C Central Control Unit

- **Automated Multimedia Scheduling and Broadcasting**: Scheduled broadcasts of time signals, daily routines, and special events ensure timely information delivery. Automatically plays content to venue-specific devices such as LCD TVs, digital signage, and marquees, significantly reducing the need for manual operations and enhancing the efficiency and accuracy of information dissemination.
- **Multi-Channel Information Broadcasting**: Simultaneously plays eight different types of music, text messages, and videos in different areas, ideal for language learning (e.g., English listening tests) and multi-task information distribution, enriching the diversity and differentiation of content delivery.
- **Highly Flexible Control Capability**: Manages up to 700 individual zones and 70 group areas, with the ability to customize graphical control screens mimicking actual areas. Offers high customizability to precisely meet specific user needs, making it especially suitable for large venues or multi-area environments like campuses.
- **TCP/IP Protocol Control**: Remote audio-visual transmission and device control via the internet greatly enhance management convenience and system response speed.



ICP-5281-C Central Control Unit

- **Intelligent Energy Management**: Automatically adjusts audio-visual equipment, lighting, and air conditioning based on the usage of classrooms and meeting rooms, and other venue schedules. This not only helps save energy but also enhances the comfort of learning and working environments while ensuring electrical safety.
- **Exceptional Communication Efficiency**: Dual network card design handles internal network communications and external connectivity tasks simultaneously, improving communication efficiency and data processing capacity, ensuring continuous and secure network communication.
- **Convenient Maintenance and Service**: Equipped with a one-click service button. If a system anomaly is detected, users can immediately press the service button, and the system automatically sends user information, device status, and problem details to the BXB technical support team for remote assistance, significantly reducing system downtime.



ICP-5281-C Central Control Unit

Product Specifications	
Power Control	Control key x 1
Power Connection	DC12/7A MAX port x 1
RS-232 Communication	DIN-9PIN port x 2
USB Communication	USB 2.0 x 3; USB 2.0 x 4
Network Communication	RJ-45 TCP/IP port x 3
Output Display	HDMI output port x 2
Audio Interface	Line output x 1 Line input x 1
Status Display	Microphone input x 1
Fault Notification	Function status indicator lights x 6; Service call button x 1

Dimensions (WHD)	483 x 44 x 205.5 mm
Weight	1.88 kg (excluding transformer)
Output Terminal	-20°C - 80°C
Operating Temperature	0°C - 45°C
External Power Voltage	DC 12V 7A MAX
Voltage/Frequency	110/220V
Standard Transformer Total Power	84W
Standard Transformer Weight	0.5 kg (excluding safety regulation power cable)



ICP-5210 IP Decoder

- **Efficient Cooling and Durable Design**: The unit is housed in a metal casing that directly dissipates heat, eliminating the need for additional fans. This design enhances the device's durability and stability while reducing noise and maintenance needs, thereby extending the lifespan of the equipment.
- **High-Efficiency TCP/IP Transmission**: Video and audio packets along with control signals are transmitted over the internet using TCP/IP protocols, allowing for efficient decoding and playback. This method ensures stable transmission of broadcast content across various network environments.
- **Enhanced Circuit Safety Protection**: Equipped with power surge protection and a Watch Dog anti-crash loop feature, effectively preventing circuit failures caused by electrical issues. This significantly reduces the risk of system failures and ensures long-term stable operation.
- **Multifunctional Security Integration**: Supports various security and emergency call devices, equipped with programmable input connectors for Normally Open (N.O) and Normally Closed (N.C) configurations, which can be used for access control, alarm buttons, and two-way intercom equipment. This ensures that emergency response equipment can react quickly and effectively in urgent situations, enhancing the safety and responsiveness of the broadcast system.



ICP-5210 IP Decoder

Product Specifications

Ethernet Transmission Rate	100 Mbps
Maximum HDMI Digital Resolution	1080p / 1920 x 1080
Maximum Auxiliary Output with Balanced Safety Protection Port	1.4Vrms @ 32Ω load; balanced Euroblock terminal (6-pin) for N.O., N.C., and DC 12V output (<330mA)
HDMI Output	HDMI (19-pin) female connector
USB	USB A (4 pin) x 1

Ethernet	435 x 84 x 225 mm
USB	USB A (4 pin) x 1
Aux Output	3.5 mm mini-jack (3-position)
Comprehensive Port	RJ-45 female / 8P8C / Shielded
Dimensions (WHD)	227.5 x 44 x 115 mm
Weight	970 g
Power Consumption	Standby 340mA @ DC12V



ICP-5211 IP Decoder (with built-in Class-D Amplifier)

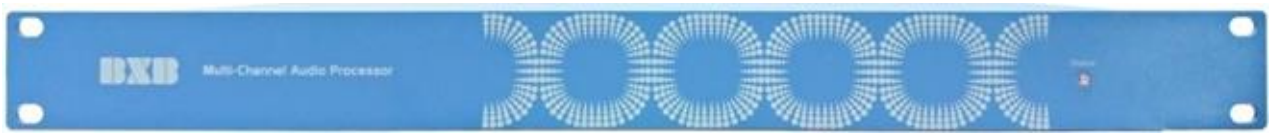
- **High-Efficiency Amplifier**: Features a built-in Class-D amplifier with an energy conversion efficiency of up to 90%. This design not only reduces power consumption but also enhances the overall performance of the device, resulting in clearer and more powerful audio output.
- **High-Efficiency TCP/IP Transmission**: Video and audio packets along with control signals are transmitted over the internet using TCP/IP protocols, allowing for efficient decoding and playback. This method ensures stable transmission of broadcast content across various network environments.
- **Enhanced Circuit Safety Protection**: Equipped with power surge protection and a Watch Dog anti-crash loop feature, effectively preventing circuit failures caused by electrical issues. This significantly reduces the risk of system failures and ensures long-term stable operation.
- **Multifunctional Security Integration**: Supports various security and emergency call devices, equipped with programmable input connectors for Normally Open (N.O) and Normally Closed (N.C) configurations, which can be used for access control, alarm buttons, and two-way intercom equipment. This ensures that emergency response equipment can react quickly and effectively in urgent situations, enhancing the safety and responsiveness of the broadcast system.



ICP-5211 IP Decoder (with built-in Class-D Amplifier)

Product Specifications	
Ethernet Transmission Rate	100 Mbps
Maximum HDMI Digital Resolution	1080p / 1920 x 1080
Audio amplifier RMS output power	10W (load 8Ω)/20W (load 4Ω)
Maximum Auxiliary Output with Balanced Safety Protection Port	1.4Vrms @ 32Ω load; balanced Euroblock terminal (6-pin) for N.O., N.C., and DC 12V output (<330mA)
HDMI Output	HDMI (19-pin) female connector
Ethernet	RJ-45 female connector

USB	USB A (4 pin) x 1
Aux Output	3.5 mm mini-jack (3-position)
Comprehensive Port	RJ-45 female / 8P8C / Shielded
Dimensions (WHD)	227.5 x 44 x 115 mm
Weight	970 g
Power Consumption	Standby 340mA @ DC12V



ICP-5230P Single-channel Multimedia Distributor

- **Efficient Conversion Mechanism**: Encodes multimedia files into IP streaming signals, enabling seamless playback of video, audio, and image content across various devices via the network. This enhances the accessibility and flexibility of multimedia file presentations.
- **Diverse Content Playback**: Supports various playback modes including videos, images, audio, text, and ticker messages, enhancing the diversity of content presentation. Meets multiple playback demands, making it suitable for displaying advertisements, announcements, and emergency information simultaneously in malls, airports, or campuses. Supports video playback up to 1080p resolution, ensuring clarity and vividness in visual presentations.
- **Enhanced Playback Capability**: Connects up to eight splitters, allowing independent control and playback of audio-visual and textual content in different zones. Ideal for large-scale venues like university campuses, hospitals, or corporate parks, enabling precise implementation of customized content playback.
- **Broad Format Support**: Ensures diverse content presentation and compatibility, simplifying the media handling process.

  Supported video formats: avi、mpg、mpeg、wmv、mts、mov、rmvb、mp4

  Supported image formats: jpg、jpeg、bmp、png

  Supported audio formats: mp3、wav、wma、aac、ac3



ICP-5230P Single-channel Multimedia Distributor

Product Specifications	
Ethernet Interface	Compatible with 10/100/1000 Base-T networks
Dimensions (WDH)	483 x 44 x 205 mm (including ear brackets)
Weight	2240 g
Power Consumption	(Standby current) 540 mA @ DC 12V



ICP-5252 Programmed Media Gateway

- **Efficient Integration and Management**: The ICP-5252 Programmable Network Media Gateway manages all device transmissions over TCP/IP protocols. This mechanism ensures seamless interconnectivity within the system, enhancing coordination and efficiency across operations, providing users with an integrated management experience.
- **High-Definition Video Transmission**: Linked to the ICP-5280 Graphical IP Audio-Video Broadcast Management Host, it supports 1080p digital IP packet transmission and playback. This ensures a clear and smooth visual experience, effectively enhancing viewer engagement and accuracy of message delivery.
- **Extensive Connectivity**: Offers 24 sets of 10/100/1000 Mbps LAN ports and 4 sets of Combo fiber modules, demonstrating strong network connection capabilities adaptable to various network environments and needs, ensuring high efficiency and stability in data transmission.
- **Automatic Identification and Management**: When used with graphical control software, it automatically recognizes connected receivers (IP decoders), transmitters (various converters), serial ports (network switches), and PCs. It can manage over 255 sets of receivers/transmitters. This feature greatly simplifies the installation and configuration process, enhancing system management efficiency and convenience.
- **Equipped with Network Traffic Control**: Allows setting bandwidth limits for each port and user IP.
- **Precise Network Traffic Control**: Features traffic management capabilities, setting bandwidth limits for each port and user IP, optimizing network resource usage, preventing bandwidth overload, and ensuring smooth network operation and priority transmission of critical applications.



ICP-5252 Programmed Media Gateway

Product Specifications	
Port Density	24 x 10/100/1000 Mbps RJ45 ports; 4 x MDI/MDI-X SFP 100/1000 Mbps ports; 1 x DB9 control port
Buttons	Reset to default setting x 1
Ethernet Standards	IEEE 802.3, 802.3u, 802.3ab
Traffic Control	IEEE 802.3x

Jumbo Frame	1518~10K Bytes
IGMP Snooping	v2 / v3
Layer 2 Switching	QoS, CoS, DSCP, Weighted Round Robin (WRR)
Link Aggregation	Support for WRR, Strict Priority (SP), IP Priority
Dimensions (WHD)	441 x 44 x 131 mm
Weight	2.2 kg



GS-2804-D 28-Port Gigabit Switch

- Ports:
  - A. 10/100/1000 Mbps RJ45 NWay Ports: 24 ports
  - B. SFP 100/1000 Mbps Ports: 4 ports
  - C. DB9 Serial Port: 1 port
  - D. Reset Button: 1 set
- Supports MDI/MDI-X auto crossover.
- Complies with IEEE802.3, 802.3u, 802.3ab Ethernet standards.
- Supports IEEE802.3x flow control.
- Supports IGMP Snooping v2 / v3.
- Supports QoS: CoS, DSCP, CoS-DSCP, IP Priority.
- Jumbo frames from 1518 to 10K Bytes.
- 8 groups of LACP and static trunk for bandwidth aggregation.
- Supports SNMP and Syslog.



GS-2804-D 28-Port Gigabit Switch

Hardware Specifications	
Port Density	24 x 10/100/1000 Mbps RJ45 ports; 4 x MDI/MDI-X SFP 100/1000 Mbps ports; 1 x DB9 control port
Buttons	Reset to default setting x 1
Ethernet Standards	IEEE 802.3, 802.3u, 802.3ab
Traffic Control	IEEE 802.3x

Physical Dimensions	
Jumbo Frame	1518~10K Bytes
IGMP Snooping	v2 / v3
Layer 2 Switching	QoS, CoS, DSCP, Weighted Round Robin (WRR), Strict Priority (SP), IP Priority
Link Aggregation	Support for WRR, Strict Priority (SP), IP Priority
Dimensions (WHD)	441 x 44 x 131 mm
Weight	2.2 kg



DAM-0808 Digital Audio Matrix Processor

- Supports up to 8 fixed analog audio inputs connected via detachable balanced Euroblock connectors. Each audio input can be flexibly adjusted according to user needs for source input wiring.
- DSP processing power: 400 MIPS; 1.6 GFLOPS.
- Built-in control software available for download, featuring Traditional Chinese and English interfaces, and supports Windows PCs for audio matrix switching control, digital audio control parameters setting, and custom control modules. The software can manage up to 20 devices on the same screen and supports 8 users for simultaneous online control.
- The front panel includes USB bi-directional audio transfer, allowing the unit to function as an audio recording/playback or remote conference audio channel when connected to a computer.



DAM-0808 Digital Audio Matrix Processor

- Automatic Echo Cancellation (AEC): Offers three modes—Moderate, Conservative, Aggressive—for flexible switching.
- Automatic Feedback Suppression (AFC): Features built-in de-reverberation algorithms, automatic gain, and voice gain boosting greater than 16dB.
- Noise Suppression (ANS): Enhances the signal-to-noise ratio by up to 18dB without relying on extensive noise characteristic databases.
- Automatic Gain Control (AGC): Manages signal waveforms and tones within appropriate ranges. Automatic gain control ranges from -6dB to +18dB; automatic equalization control ranges from -12dB to +12dB.
- Features include automatic muting (Ducker), automatic volume compensation (ANC), gain sharing automatic mixing (AM), and threshold automatic mixing (Gate Mixer).
- Equipped with RS-232, RS-485, and UDP communication transmission, enabling integration with third-party devices like cameras for centralized device control.



DAM-0808 Digital Audio Matrix Processor

Product Specifications	
Processor	ADI SHARC 21489 (x2)
Audio Sampling Rate	48K / 24bit
Input Gain	0/10/20/30/40/ 43dBu
Output Level	0/-6dB
Phantom Power	48V
Frequency Response	20~20KHz ±0.5dB
Maximum Level	+24dBu
Total Harmonic Distortion + Noise	0.003%@4dBu

Hardware Specifications	
Dynamic Range	113dB
Noise Floor (A-weighted)	-90dBu
Common Mode Rejection Ratio @ 60Hz	80dB
Channel Separation @ 1KHz	108dB
Input Impedance (Balanced)	5.4KΩ
Output Impedance (Balanced)	102Ω
System Delay	<3ms

Physical Dimensions	
Dimensions (WDH)	482 x 260 x 45 mm
Weight	3 kg
Operating Temperature	30°C / 86°F
Operating Power	AC110~240V 5Hz~60Hz
Maximum Power Consumption	<40W



DAM-0808 Digital Audio Matrix Processor

Product Specifications

Processor	ADI SHARC 21489 (x2)
Audio Sampling Rate	48K / 24bit
Input Gain	0/10/20/30/40/ 43dBu
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Phantom Power	48V

Hardware Specifications

Frequency Response	20~20KHz ±0.5dB
Maximum Level	+24dBu
Total Harmonic Distortion + Noise	0.003%@4dBu
Dynamic Range	113dB
Noise Floor (A-weighted)	-90dBu

Hardware Specifications

Common Mode Rejection Ratio @ 60Hz	80dB
Channel Separation @ 1KHz	108dB
Input Impedance (Balanced)	5.4KΩ
Output Impedance (Balanced)	102Ω
System Delay	<3ms

Physical Dimensions

Dimensions (WHD)	482 x 45 x 260 mm
Weight	3 kg
Operating Temperature	30°C / 86°F

Power Supply

Operating Power	AC110~240V 5Hz~60Hz
Maximum Power Consumption	<40W



PAB-5400 Power Amplifier (220V)

- With signal input / output terminal (PHONE JACK socket two groups).
- Power and overload protection automatically switch on the front panel.
- Fault LED will illuminate when it is higher than 75°C and stop working.
- LED light will flash when the system is overloaded and enter the automatic protection
- control.
- Adjustable volume control output and double volume output LED indicator.
- Constant voltage output can be parallel to increase the total power output and can be
- adjusted in parallel volume output.
- Large cooling fan with auto temperature control.
- Trigger contact with automatic start power.
- With CNS13439 commodity inspection and CNS 14408 safety certification.



PAB-5400 Power Amplifier (220V)

Hardware Specifications	
Power	AC 100V ~ 120V / 220V ~ 240V (50 / 60HZ) / DC: 24V
Output Power	RMS 400W / MAX 550W
Frequency Response	50 ~ 20KHZ
Distortion rate	≤ 1% under full load (1KHZ)
S / N ratio	≧ 80dB
Speaker output	100V / 70V / 8Ω

Hardware Specifications	
Weight	20 kg
Appearance	19-inch standard cabinet (4U)



TP-2 Telephone Paging Gateway

- Compact and portable, this device connects to a PBX telephone system and integrates with the BXB broadcasting system for tele phone broadcasting.
- Supports the standard SIP communication protocol.
- Equipped with FXS and FXO telephone communication connections, as well as WLAN and LAN network communication connections.

Hardware Specifications	
Telephone Interface	FXS x 1；FXO x 1
Network Interface	WLAN x 1；LAN x 1
Buttons	Device reset button x 1

Physical Dimensions	
Dimensions (WHD)	90 x 24 x 75 mm
Weight	80 g



ICP-5232 HDMI Network Signal Converter

- **Seamless Live Broadcasting Integration**: To be used with the BXB ICP-5180 Graphical IP Audio-Video Broadcast Management Host, this converter effortlessly upgrades existing video playback devices into a network streaming system.
- **Broad Device Compatibility**: Connects to computers, cameras, DVD players, and other HDMI output devices for live streaming. Highly effective for real-time video distribution in various settings such as conference rooms, classrooms, and demonstration environments.
- **Expanded Playback Capability**: Can connect up to eight converters, enabling independent control and playback of audio-video content in different zones. This increases system flexibility and coverage, particularly suitable for large venues requiring simultaneous live streaming across multiple areas.
- **Supports Multiple Video Resolutions**: Including 480i/p, 576i/p, 720p, and 1080i/p resolutions, the ICP-5232 converter adapts to various input needs, enhancing output to match the optimal display quality of viewing devices. It supports HDMI 1.3b input, presenting high-definition IP live streaming at 1080p, ensuring clear and detailed video content.
- **Real-time Monitoring Function**: Through the HDMI output port, the HDMI input live source can be simultaneously output for monitoring and previewing, ensuring the quality and smoothness of the live content.



ICP-5232 HDMI Network Signal Converter

Hardware Specifications	
Ports	HDMI IN x 1; HDMI OUT x 1; Network Communication: RJ45 x 1; 3.5mm Stereo Audio Jack x 1; S/PDIF Optical Audio Jack x 1; USB 2.0 x 1
Streaming Media Formats	H.264 baseline levels 1.0 to 4.0; supports up to 1080 30p/15Mbps video and 48K/16bit to 192K MP3 audio
HDMI Video Formats	1080p 50/60、1080i 50/60、1080p 25/30、720p 50/60、480p 50/60

Hardware Specifications	
Button	Device reset button
LED Indicator	Standby (constant red)
Dimensions (WHD)	238 x 26 x 97 mm
Weight	460 g
Power Consumption	Standby current: 1.62mA @ DC 5V



ICP-MC1 Multi-functional Control Box

- Requires pairing with an IP broadcast decoder and can receive commands from a graphical audio-video broadcast management host and control software for device control or activation triggers.
- Supports three types of communication transmission control: RS-232, UART, and Infrared.
- Features a dual-color indicator light to display power status and digital communication control.
- Equipped with two infrared input control ports and one infrared output communication port, offering up to 30 sets of infrared remote control learning functions for button commands.
- Includes one RS-232 digital control port, enabling integrated control with WMP-120 and WMP-2100 broadcast systems or other devices.
- Features one set of passive external trigger contacts, which can activate interlinked control of related devices.
- Includes one AC power monitoring control socket (8A) with a current detection module to precisely detect the operational status of devices.



ICP-MC1 Multi-functional Control Box

Hardware Specifications	
USB	Type Micro B*1
IR	Input：3.5 mm Mini- Jack*2 Output：3.5 mm Mini- Jack*1
Combo Port	RJ-12 6P6C*1
Dry Contact Port	20mm Pitch Power Dual Row Connectors Wafer Normally Open Rated current : 9A @ 125VAC 7A @ 250VAC 7A @ 30VDC

Hardware Specifications	
Dimensions (WHD)	140 x 28 x 82 mm
Weight	352 g
Operating Temperature	0°C~40°C
Storage Temperature	-15 ~ 55°C
Humidity	40 ~ 70% (non-condensing)
Power Consumption	Standby current: ≒ 30mA @ DC 12 V



ICP-PRE2 Pre-amplifier Panel

- Compatible with the ICP-5211 decoder for standalone classroom instructional amplification.
- Facilitates the connection and amplification of classroom instructional microphones and general audio sources.
- Utilizes digital electronic buttons to adjust microphone volume, reducing noise issues associated with the aging of traditional analog variable resistors.
- The preamp mixing module and power amplifier feature a separated pre-stage and post-stage design; the pre-stage mixing module can be independently installed under the blackboard for ease of use and maintenance.
- Equipped with two RJ-45 ports using BXB CAT-5e cables, allowing for the parallel use of multiple panels.
- Features a connection detection mechanism, which automatically activates or deactivates the instructional amplification when the microphone jack is plugged in or removed.



ICP-PRE2 Pre-amplifier Panel

Hardware Specifications	
Line Source Input	Input Impedance: 1.8KΩ @ 1K Hz
Microphone Source	Maximum Input Audio Signal Level: 2.5 Vp-p
Input	Input Impedance: 48.7KΩ @ 1K Hz Maximum Microphone Input Level: 90 mVp-p (default volume) Minimum Microphone Input Level: 10 mVp-p Input Impedance: 1KΩ @ 1K Hz
Line Source Input (Trigger Mixing)	Maximum Input Audio Signal Level: 550 mVp-p Gain Range (Load @ 2.2KΩ): -4 to +31 dB

Hardware Specifications	
Power Consumption	Standby current: ≒ 30mA @ DC 12 V
Dimensions (WHD)	180 x 29 x 86 mm (with rack ears)
Weight	341 g (with rack)
Operating Temperature	0°C~40°C
Storage Temperature	-15 ~ 55°C
Humidity	40 ~ 70% (non-condensing)



ICP-TV1 TV Controller

- Requires integration with an IP broadcast decoder and can receive control commands from a graphical audio-video broadcast management host and control software to manage TV power on/off, input source selection, and volume control.
- Supports three types of communication control: RS-232, UART, and Infrared.
- Features a dual-color indicator light to display power status and digital communication control.
- Equipped with two infrared input control ports and one infrared output communication port, offering up to 30 sets of infrared remote control learning functions for button commands.
- Includes one AC power monitoring control socket (8A) with a current detection module to precisely detect the TV's power status.
- Equipped with an RS-232 digital control port for controlling televisions or projectors and other related devices.
- When controlling a TV using RS-232, it has the capability to query, detect, and return the current operational status of the TV.



ICP-TV1 TV Controller

Hardware Specifications	
USB	Type Micro B*1
IR	Input : 3.5 mm Mini- Jack*2 Output : 3.5 mm Mini- Jack*1
Combo Port	RJ12 6P6C*1
Dry Contact Port	20mm Pitch Power Dual Row Connectors Wafer Normally Open Rated current : 9A @ 125VAC 7A @ 250VAC 7A @ 30VDC

Hardware Specifications	
Dimensions (WHD)	140 x 28 x 82 mm
Weight	352 g
Operating Temperature	0°C~40°C
Storage Temperature	-15 ~ 55°C
Humidity	40 ~ 70% (non-condensing)



PSC-A122 Total Power Control

- Features RS-485 control linkage, supporting a cascade of up to 8 units.
- Connects to a PC via RS-232 for integration with BXB graphical control software or
- other central control systems (such as AMX or Crestron).
- Equipped with an AC overload protection mechanism to ensure safe and reliable
- operation.
- Includes functions such as contact closure startup and power-on triggering.



PSC-A122 Total Power Control

Hardware Specifications	
Interfaces	Sequential Power Outlets x 12 RS-485 Port x 1 RS-232 Port x 1 Overload Circuit Breaker x 1 Control ID DIP Switch x 1 External Trigger Dry Contact x 1 Startup Dry Contact x 1

Hardware Specifications	
Dimensions (WHD)	435 x 84 x 225mm
Power Supply	AC 110~240 50-60Hz
Power Supply Max Power Consumption	<3000W



WMP-1206 Speaker Circuit Zone Selector

- Features 12 individual zone broadcasting buttons, each supporting loads over 300W.
- Equipped with one programmable group zone broadcasting button.
- Includes one master activation button for broadcasting across all zones.
- Each button is equipped with an indicator light.
- Groups can be set and modified at any time.
- Zone activation uses a relay connection method, designed with circuitry to prevent crosstalk between loops.
- Compatible with RS-232 connection to a PC, integrating with BXB graphical control software or other environmental control systems (AMX or Crestron).
- Features controlled input activation for remote triggering.
- Equipped with output control for remote triggering.



WMP-1206 Speaker Circuit Zone Selector

Hardware Specifications	
Function Keys	Zone circuit switches x 12; Group switch button x 1; Master switch button x 1
Indicators	Zone circuit switch indicators x 12; Master on/off indicator x 1

Hardware Specifications	
Ports	Zone speaker ports x 12; Background music port x 1; RS-232 port x 1; RS-485 port x 1; Link control identification dial switch x 1; External start dry contact x 1; Start dry contact x 1

Physical Dimensions	
Dimensions (WHD)	431 x 94 x 225 mm

Power Supply	
Power Supply	AC 110~240 50-60Hz



ICP-3121 IP Intercom Microphone

- Connects to an IP broadcast decoder for two-way voice communication and amplification with the master control unit.
- Features an OLED display to show device status and related information.
- Includes one amplification activation button with backlight indicator, supporting instructional amplification mode. When activated, it operates the amplification function for speakers connected to the IP broadcast decoder for instructional purposes.
- Equipped with one intercom request button and backlight indicator. Upon activation, the LED backlight will flash, and it can simultaneously call the master control to perform two-way intercom functions.
- Digital volume adjustment allows the microphone sensitivity to be set from levels 1 to 15.
- Gooseneck microphone available in standard lengths of 43CM±2CM, 48CM±2CM, and 56CM±2CM to suit different site requirements.
- Comes with one CAT-5e cable for quick connection to an IP broadcast decoder.



ICP-3121 IP Intercom Microphone

Hardware Specifications	
Power Input	DC 12V (supplied by ICP decoder)
Ports	RJ-45 (includes 1M CAT5e cable)
Total Harmonic Distortion	Less than 0.1%
Frequency Response	50Hz~18KHz
Signal-to-Noise Ratio (S/N)	Greater than 85dB
Sensitivity	-47dBV / pa

Hardware Specifications	
Microphone Type	Electret condenser cardioid polar pattern
Gooseneck Microphone Length	32 / 43 / 48 / 56 cm
Dimensions (WHD)	115 x 83 x 95 mm
Weight	810 g