Advanced Conference System

UFO-2000

UFO Series is an excellent digital conferencing system from BXB Electronics, offering a balance of cost-effectiveness and efficiency. Recognized for its sleek design, it has received accolades such as the German iF Design Award and the Taiwan Excellence Award. With its discreet design, featuring integrated buttons, indicator lights, and wiring, it has garnered significant praise from customers. Utilizing standard CAT-5e network cables, it facilitates easy procurement and installation. Upon startup, it automatically conducts connectivity tests, scanning and detecting the functionality of all microphones to ensure smooth conference proceedings.



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Main product information

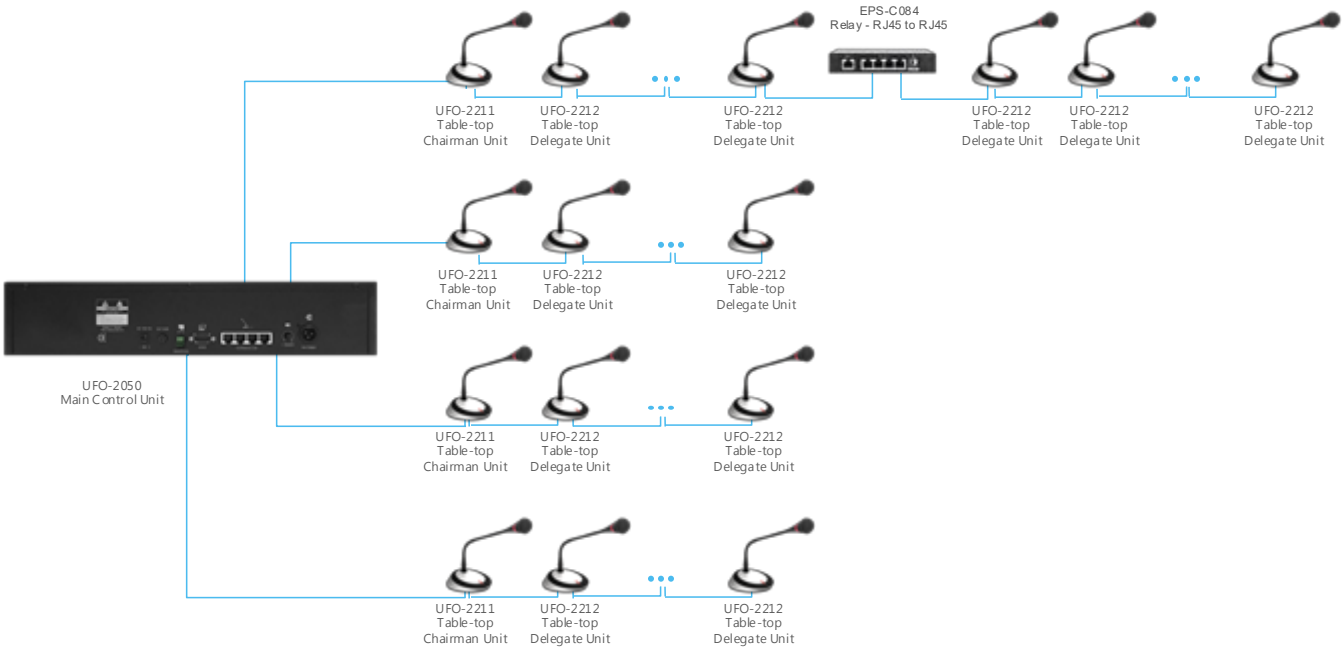


UFO-2050

Main Control Unit

- Quick installation & easy maintenance via CAT-5e cables.
- 4 x 20 digits LCD display shows the system testing status, the quantity of connected microphone units, the operation modes, and the volume/sensitivity of microphones.
- Equipped with 4-chain RJ45 ports. Each port enables the max. of 20 units; the total is 50 units. If there's a larger scale of meeting room, BXB EPS-C084 Relay - RJ45 to RJ45 can support to the max. of 1009 microphones (delegate unit x 999 + chairman unit x 10).
- Support four operating modes: Normal/Chairman/Override/FIFO.
- Equipped with RS-232 interface: connects with BXB HDS-720 IP Network AV Controller, camera, and other environmental control equipment for system integration.
- Equipped with RS-485 connector to connect with PTZ cameras for speaker’s image-tracking.
- Microphone auto-scanning ensures the status of each microphone before meeting. The ID number of disconnected microphone units would be shown on the LCD display.
- Open-mic mode or activates the max. of 30 microphones at the same time.
- Microphone auto-off setting (10~99 seconds).

Quantity of Connected Microphone Units



UFO-2050 is equipped with 4-chain RJ45 ports. Each port enables the max. of 20 units; the total is 50 units. BXB EPS-C084 Relay - RJ45 to RJ45 can support to the max. of 1009 microphones (delegate unit x 999 + chairman unit x 10).

Hardware Specifications

Frequency Response	200 Hz ~ 15K Hz
Impedance	≦ 8Ω @ Frequency 1KHz
Signal Level	MAX 6 Vrms
T.H.D A-weighted	≦ 0.3% @ Frequency 1KHz
S/N ratio A-weighted	≧ 69dB @ Frequency
Conference Microphone Link	1KHz
Connector	RJ45 x 4
Interface	RS-232 x 1 ; RS-485 x 1

Physical Properties

Dimension (HWD)	100 x 430 x 230 (mm)
Weight	4.5 (kg)
Operating Temperature	0°C ~ 40°C
Storage Temperature	-15°C ~ 55°C

Power Supply

Voltage	DC 18V~24V
DC Power Supply Fuse	DC 24V/8A



UFO-2211 / 2212

Table-top Chairman / Delegate Unit

TAIWAN EXCELLENCE 2013

- Streamlined look and concealed speaking push-button makes the unit's more elegant and flowing. The 5 basic metal colors with 25 combinations can fit into varied architecturals of meeting rooms.
- Equipped with DSP chip and sensitivity adjustment for enhancing the audio quality.
- Chairman unit has the highest priority to speak and control delegate unit's speaking status.
- The electric gooseneck microphone is equipped with a LED indicator ring and able to avoid the interference of electromagnetic from 3G and 4G cell phones.
- Lengths of pluggable gooseneck microphone: 43 / 48 / 56 / 70 (cm). Adaptable with varied meeting environments.

Hardware Specifications

Connector	RJ45 x 2
T.H.D	≦ 0.1%
Frequency Response	100Hz~16KHz
S/N Ratio	≧ 70dB
Sensitivity	≧ -50db

Physical Properties

Dimension (WHD)	125 x 165 x 45mm
Weight	610g
Gooseneck Mic Length	43 / 48 / 56 / 70cm
Color (Unit Cover)	Black / silver / bronze / champagne gold / iron-grey silver

Power Supply

Voltage	DC 12~24V (supplied by MCU)



UFO-2021N / 2022N

Flush-mounted Chairman / Delegate Unit

- Extruded aluminum panel design that can be easily mixed with conferencing table.
- Equipped with DSP chip and sensitivity adjustment for each microphone.
- 2 x Ø3.5mm audio out connectors: one for headphone (volume adjustable); one for connecting with recording equipment.
- There's no limitation of chairman unit's quantity. The chairman unit can be placed in any sequence.
- The panel is equipped with red / green / orange LED indicator light to represent different operation modes.
- Chairman unit has the priority to speak and control: operates permanent OFF and temporary OFF. A tone will be generated to raise attendee's attention.
- Length of the gooseneck mic offered: 43 / 48 / 56 / 70 (cm). Adaptable with different meeting environments.

Hardware Specifications

Frequency Response	100HZ~16KHZ
Sensitivity	≧-50dB
T.H.D	≦0.1%
S/N Ratio	≧70dB
Communication Port	-45 ~ 0dB
Earphone Port	RJ-45 x 2 , RJ-11 x 1
Recording Port	3.5Ø Stereo x 1 3.5Ø Stereo x 1

Physical Properties

Dimension (WHD)	170 x 43 x 82mm
Weight	346g
Material	Galvanized steel
Mounting Hole (WHD)	142 x 33 x 132 (mm)

Power Supply

Voltage	DC 12V~18V (supplied by UFO-2050 MCU)



EPS-C084

Relay - RJ45 to RJ45

- **High Connectivity**: Equipped with five RJ45 ports for four inputs and one output, this design not only enhances system reliability but also makes setup and maintenance quick and easy. It can be seamlessly connected to BXB EDC-2000-V2, UFO-2000 series, or FCS-6300 series conference units, ensuring stable signal transmission. This is particularly suitable for conference environments that require rapid deployment.
- **Ultimate Durability**: Utilizes industry-standard DIN power connectors, enhancing the product's durability and safety while effectively preventing poor contact issues. Its high current endurance ensures that the EPS-C084 can provide long-term, uninterrupted service.
- **Intuitive Status Indicators**: Features dual-color LED status lights that allow users to easily check the device's condition at a glance. A green light indicates that the power is functioning normally, while an orange light signals that communication with the main unit is active. This intuitive feedback mechanism significantly enhances user convenience and system manageability.

Hardware Specifications

Ports	RJ45 input x 1 RJ45 output x 4
LED Indicators	Power indicator x 1
DC Voltage	0/-6dB
Rated Current	24V
Rated Power	120W

Physical Dimensions

Dimension (WHD)	160 x 26 x 65 mm
Weight	230 g
Operating Temperature	0°C ~ 40°C
Storage Temperature	-15°C ~ 55°C
Humidity	40~70% (non-condensing)



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)

Physical Properties

Material	ABS
Weight	≒ 36g
Dimensions (WDH)	91.98 × 22.73 × 21.91 (mm)

Application in Conference System





WS-8140
WS-6130

Waterproof Hi-Fi Column Speaker

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)	216 x 43 x 264mm
Net Weight	1.88kg
Cabinet 19"	1U

Power Suply

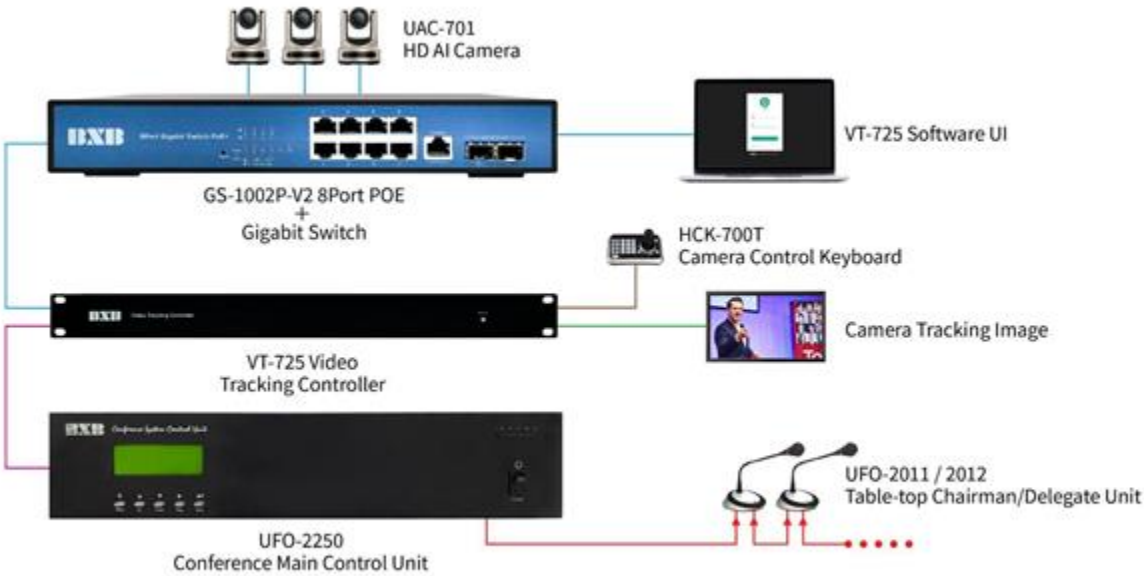
Voltage	AC 100~240V, 50-60Hz
Power	350W



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.



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

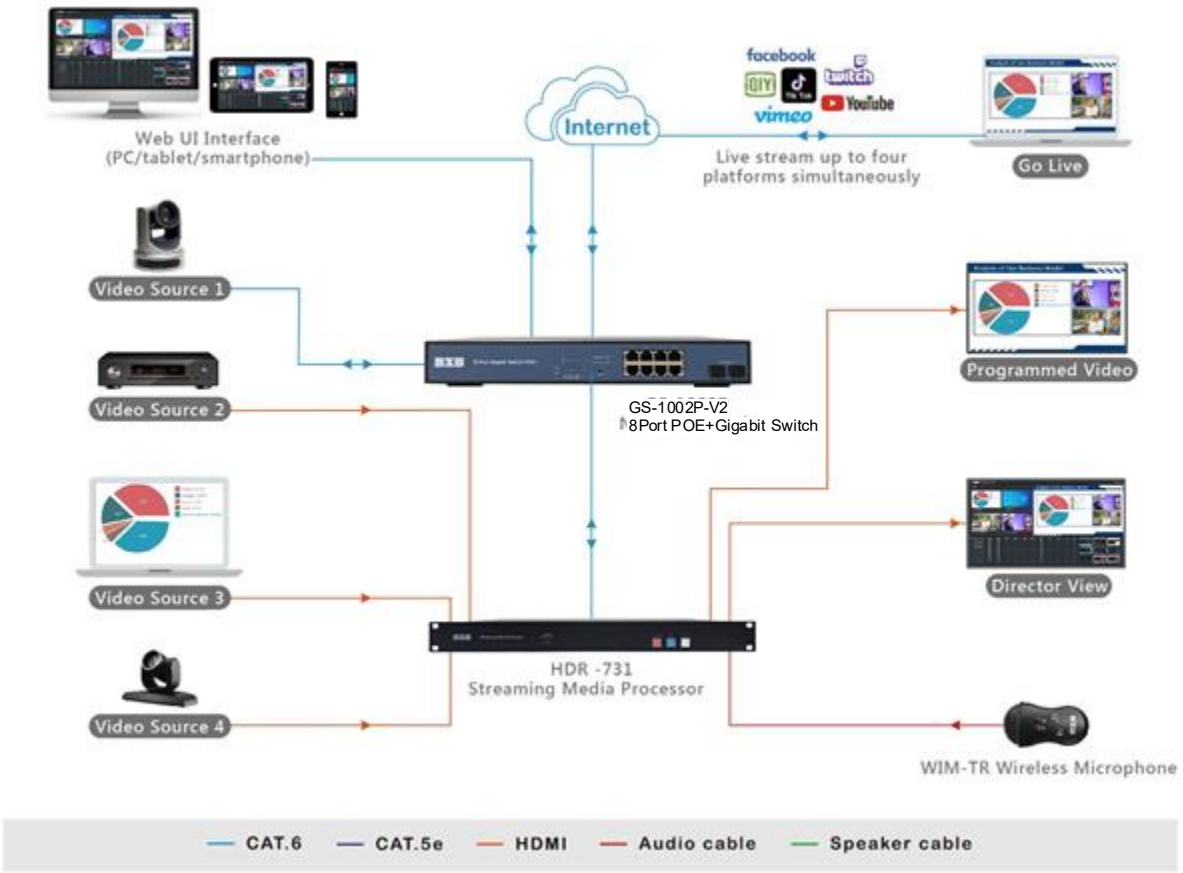
External Power Supply	DC12V / 3.34A
Voltage/Frequency	AC 100~240V / 50~60Hz
Total Power	40W
Transformer Weight	240g



HDR-731

Streaming Media Processor

- 4-CH FHD 1080P60 video inputs as the video sources for IP streaming.
- 2-CH HDMI outputs: for Director View or PGM (programmed video) view.
- 4-CH input video & PGM recording, completely preserving your audiovisual data.
- Director interface for live-streaming, recording, snapshot, volume bar, PGM preview, HDMI 1~4 input source switch, 9 layout switch, and camera control & preset point setting. Available with keyboard & mouse integration for easy operation.
- Supports RTMP, HLS, and RTSP protocols for broadcasting videos online. You can live-
- stream to any four platforms simultaneously.
- Web UI with powerful functions including video source control / switch, video playback, file saving & backup, live-streaming & recording setting, firmware update, and more.
- Self-defined PGM layout: set text color / size and limitless overlay images, add local time, set background color, partially cut the image of video source, and more.
- 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.
- Scheduling: preset the time for recording, streaming, and back-up.
- Supports the export / import of layouts and configuration files, no reset required.
- Built-in 1TB hard drive. You can save files via USB hard disk or NAS and FTP.



Hardware Specifications

HDMI Inputs	Type-A x 4
HDMI Outputs	Type-A x 2
Audio Inputs	3.5mm x 4
Audio Outputs	3.5mm x 1
Power Button	Rocker switch x 1
TCP/IP	RJ45 x 1
RS232 Control	Euro type terminal block 3P x 1
RS485 Control	Euro type terminal block 3P x 1
USB for Hard Disk	Type-A (3.0) x 1
USB for Keyboard & Mouse	Type-A (2.0) x 2
Capacity	1TB

Physical Properties

Dimensions (HWD)	44 x 483 x 205mm (including rack shelf) 44 x 483 x 205mm (not including rack shelf)
Rack Mount 19"	1U
Weight	2.43kg
Operating Temperature	0-40°C
Storage Temperature	-20-60°C
Relative Humidity	0-80% non-condensing
Material	Metal

Power Supply

External Power Supply	DC12V / 3.34A
AC Input	AC 100~240V / 50~60Hz
Power Consumption	40W



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)	280x180x44mm (1U height)
Weight	1.6Kg
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

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

- mpact 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

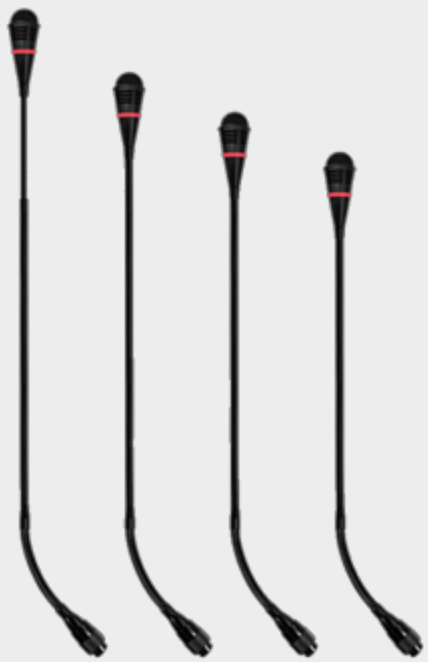
Comm. Interface	RS-232 / RS485
Protocol	VISCA / PELCO-D / PELCO-P
Baud Rate	2400 / 4800 / 9600 / 19200 / 38400 bps
Camera Address	1~255
Joystick	4-axis (Pan / Tilt / Zoom / Focus)
Display	OLED

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



WM-43/48/56 B1HT
WM-70 B2HT

Gooseneck Microphone

- Features a detachable DIN quick connector design, compatible with UFO-2000 and EDC-2000 series table-top / flush-mounted units.
- LED indicators display "Active" and "Request-to-Speak" statuses, providing clear visual feedback on meeting progress at a glance.
- Available in lengths of 43 / 48 / 56 cm. The 70 cm model features a double-gooseneck design, allowing for flexible angle adjustments to suit various venue requirements and diverse needs.
- Immune to electromagnetic interference even when a mobile phone is within 10 cm, ensuring pristine, noise-free audio quality.
- Includes a built-in wind/dust shield and acoustic chamber. The gooseneck is constructed from silent materials to eliminate handling noise during adjustment, offering precise, noise-free positioning so you can focus entirely on the meeting.

Hardware Specifications

Cartridge Type	Electret
Directional Pattern	Uni-directional
Connector	DIN
Frequency Response	65~20000Hz
Polar Pattern	Cardioid
Output Impedance	680Ω (1Khz)
Sensitivity	-47±3dB (0dB=1V/Pa,at 1KHz)
Maximum SPL	100dB (THD<5%, at 1KHz)
S/N Ratio	55dB
Operating Voltage	1~5V

Physical Properties

Length	430/480/560 mm
Weight	82/87/95.5 g
Storage Temperature	-25°C~+70°C
Operating Temperature	-20°C~+60°C