



-  Discussion
-  Recording
-  Loudspeaker
-  Anti-interference
-  Network
-  Camera

**Digital Network Conference System
YC838MR**



Digital Network Conference System YC838MR



Discussion



Recording



Loudspeaker



Anti-interference



Network



Camera

Overviews

The multi-functional digital conference system employs advanced digital control technology, providing easy and effortless management whether used for informal small meetings or large international conferences. The system's functionalities include venue design, microphone management, automatic camera tracking, control management, conference recording, and more.

Features

- Supports ring backup connections.
- Equipped with built-in environmental noise canceller, digital equalization circuits, preventing feedback.
- CAT 6-core DIN cables for microphone connections, effectively preventing electromagnetic interference on the lines.
- Dual-machine hot backup mode functionality, allowing system backup.
- Equipped with a 4.3-inch true color touchscreen and an embedded Linux system with a Chinese operating interface.
- Allows touchscreen settings for conference modes, system volume adjustment, microphone management, unit numbering, camera parameters, video tracking settings, and ring light settings, among other functions.
- Conference modes include free mode, rotation mode, restriction mode, application mode, voice control mode, PTT mode, VIP mode, and timing mode.
- Supports 5V-24V fire linkage alarm interfaces for expanded functionality, such as connecting to fire alarm ports.
- USB recording function for conferences.
- Offers 1-way expansion RS232 port support for our hybrid switching matrix
- Supports control of up to 512 camera positions for automatic tracking.
- Supports two camera protocols: Pelco-D/P and VISCA
- Supports three camera control interfaces: RS232, RS422, and Rs485.
- The main unit can centrally adjust the output gain of attendance units and set audio adjustment locks.
- Features DATA network control interface, extending network cables up to 1000 meters for conference management.
- Offers live "hot-swappable" functionality for enhanced system safety.
- Includes request service feature for flexible and convenient conferencing.
- Provides two sets of audio input interfaces for connecting other audio devices, offering users more options.
- Support 120 pcs microphone with one CCU, with extend CCU unit support up to 4096 pcs microphone units.
- Features "hand-in-hand" and loop connections for easy installation and maintenance.
- Support PC control commands for management software and central control devices.
- When paired with a telephone coupler, enables remote telephone conferences.
- When paired with network conferencing software and video conferencing terminals, enables remote video conferencing.



Digital Network Conference System YC838MR



Overviews

Installation: 19-inch Standard Rack Mount
 Dimensions (mm): 485*100*355 (W×H×D)
 Net Weight (kg): 11.8
 Microphone Capacity: Video ≤250; Discussion ≤4096
 Frequency Response: 100Hz – 15kHz
 SNR: >96dB
 Total Harmonic Distortion: 0.1% @ 1kHz
 Power : AC220V-240V/ 50Hz-60Hz

Audio Output:

RCA*2 Unbalanced (REC Recording Output)
 RCA*2 Unbalanced (LINE Mixed Output)
 XLR Balanced (BAL OUT Mixed Output)
 Audio Input: RCA*4 Unbalanced (AUX IN)
 Control Interfaces: EXT CON Ethernet Port, Data Interface
 Audio Network Interface: LAN BOX Data Interface
 Maximum Power Consumption: 350W
 Connection Methods: CAT 6-core Cable
 Computer Control Interface: RS-232 (PC)
 Camera Control Interface: RS232/RS422/RS485
 Video Switching Interface: 4 in 2 out RCA connectors, 4 in 4 out HDMI connectors



YC838C
Chairman unit



YC838D
Delegate unit



Discussion



Recording



Loudspeaker



Anti-interference



Network



Camera

Features

- Chairman Unit can turn down all the delegate by Priority Key
- Microphone On/Off Key with Indicator Light
- The indicator light and microphone tube indicator light will be on constantly when the microphone is turned on.
- Detachable Microphone Tube Interface (Some microphones have built-in tubes and do not have this interface).
- CAT 6-core Connection Network Cable Connection Port
- The network cable version of the microphone has two network cable interfaces, allowing for daisy-chain connections.
- Include free mode, rotation mode, restriction mode, application mode, voice control mode, PTT mode, VIP mode, and timing mode.
- Built in speaker

Specifications

Frequency response:	50-16kHz
Sensitivity :	42dB±2dB
Receiving distanc:	15cm-50cm
Length of gooseneck:	470mm
Size:	230*140*55(mm)
Weight:	0.9kg



YC510 4K Professional Conference Camera



Specifications

Image Sensor	SONY 1/2.8" CMOS
Effective Pixels	8.5 Megapixels Image Sensors, 8.29 Megapixels Effective Pixels
Resolution	HDMI: 4KP30/25, 1080P60/59.94/50, 1080P30/29.97/25, 720P60/50 USB: 1920*1080, 1280*720, 960*540, 800*600, 720*576, 720*480, 640*480, 640*360, 352*288, 320*240 SDI: 1080P60/59.94/50, 1080P30/29.97/25, 720P60/50
Signal	PAL/NTSC
Lens	12X/20X optical zoom
Focal Length	12X: f=3.9mm(W)~46.8mm(T) 20X: f=5.2mm(W)~104mm(T)
Horizontal View Angle	12X: 72.5°(W)~6.5°(T) 20X: 58.7°(W)~3.2°(T)
Focus System	Auto/Manual
Minimum Illumination	0.1Lux
Exposure Control	Auto/Manual/Shutter Priority/Iris Priority/Bright Priority
Shutter	1/25s ~ 1/10000s
Gain	Auto/Manual
White Balance	Auto/Manual/indoor/Outdoor/onepush/ATW
Image Effect	Full color/image flip
S/N Ratio	≥ 50db
Pan	355°(max.speed:80°/s)
Tilt	-30°to +90°(max.speed:60°/s)
Video Output	HDMI、3G-SDI、USB3.0、IP (NDI optional)
Power	12V DC(10.8 ~ 13.0V DC)
Operating Temperature	0° C ~40° C
Storage Temperature	-10° C ~60° C
Size	(W) 134 * (D) 174 * (H) 187mm
Weight	1200g
Color	Black/White
Protocol	SONY VISCA、PELCO P/D、VISCA over IP、ONVIF
Control Mode	RS-232、RS-422/485、IP
Accessories	DC 12V power adapter, IR Remote, Operation manual, RS-232 cable, HDMI cable, USB3.0 cable, Bracket

Feature

- **4K Ultra HD Resolution:**
Utilizing a SONY 1/2.8-inch 8.5-megapixel high-quality image sensor, with an effective pixel count of 8.29 million, capable of delivering premium-quality images at a maximum resolution of 3840x2160.
- **20x Optical Zoom Lens:**
Equipped with a high-quality telephoto lens, with a 58.7° field of view, offering 20x optical zoom and supporting 16x digital zoom.
- **USB3.0+HDMI+LAN+3G-SDI Full Interface:**
Default Version: Supports HDMI and USB3.0 for 4K Ultra HD synchronous output, and LAN for high-definition 1080 output.
Optional Version: Supports HDMI and LAN for 4K Ultra HD synchronous output, and USB3.0 for high-definition 1080 output.
- **Low Illumination:**
Utilizes a new CMOS image sensor with ultra-high signal-to-noise ratio to effectively reduce image noise in low-light conditions. Applies 2D and 3D noise reduction algorithms to significantly reduce image noise, maintaining clean and clear images even in extremely low-light conditions, with an image signal-to-noise ratio of over 50dB.
- **Infrared Passthrough:**
Aside from receiving its own dedicated remote control signals, it can also receive user infrared remote control signals and transmit them to video conferencing terminals via the VISCA IN port.
Multiple Video Compression Standards:
Supports various video compression formats including YUY2, H265, MJPG, and H264 across different interfaces.
- **Multiple Network Protocols:**
Supports ONVIF, SRT, RTSP, RTMP, RTMPS, and optional NDIHX2 network protocols.
Multiple Control Protocols:
Supports VISCA (including VISCA Over IP), PELCO P/D, and NDI protocols, with automatic protocol recognition.
- **Multiple Installation Methods:**
Offers various installation options including desktop, ceiling mount, and wall mount installations.



YM80
Professional Conference Mixer Console

Overviews

The pro mixing console is key to a professional audio system. Using pre amplifier as the main part, it can receive multi-channel audio signals of different impedances and levels and can equalize, mix, distribute these signals. As long as you achieve the best SNR and timbre through adjustment, the pro mixing console will complete efficient and quality transmission of audio signals.

Technical Specifications of the YM80, YM120, YM160

- YM80: 4 channels Mono and 4 channels Mic input, 2 channel stereo input
- YM120: 8 channels Mono and 8 channels Mic input, 2 channel stereo input
- YM160: 12 channel Mono and 12 channels Mic input, 2 channel stereo input

- High-performance Microphone Pre amplifiers with Switchable Phantom Power
- 3-band Channel EQ and High-pass Filters
- Built-in Channel Compressors
- Smooth 60-millimeter Faders & Illuminated Channel ON Switches
- Bright Meters for Visual Level Monitoring



Specifications

Model	YM80	YM120	YM160
Max. Output Level	19dBm (1kHz, THD=0.5%)	19dBm (1kHz, THD=0.5%)	19dBm (1kHz, THD=0.5%)
Residual Noise SNR	-75dB	-75dB	-75dB
S/N Ratio	71dB	71dB	71dB
Phones Output	40mW (1kHz, THD=0.5%, 200 Ω)	40mW (1kHz, THD=0.5%, 200 Ω)	40mW (1kHz, THD=0.5%, 200 Ω)
EQ	LOW: 80Hz ±15dB MID: 2.5kHz ±15dB HIGH: 12kHz ±15dB	LOW: 80Hz ±15dB MID: 2.5kHz ±15dB HIGH: 12kHz ±15dB	LOW: 80Hz ±15dB MID: 2.5kHz ±15dB HIGH: 12kHz ±15dB
Gain Control	Mono: -55dB~0dB Stereo: -10Db~0dB	Mono: -55dB~0dB Stereo: -10Db~0dB	Mono: -55dB~0dB Stereo: -10Db~0dB
Frequency Response	20Hz~20kHz +1.0, -3dB	20Hz~20kHz +1.0, -3dB	20Hz~20kHz +1.0, -3dB
T.H.D	Less than 0.05 (1kHz,0.775V)	Less than 0.05 (1kHz,0.775V)	Less than 0.05 (1kHz,0.775V)
Power consumption	25W	35W	45W
Dimension (W×D×H) mm	400x400x45	443x400x45	560x400x90
N.W	4.41 kg	5.57 kg	7 kg



YA200
Professional Conference Amplifier

Overviews

The pro amplifier has a built-in efficient transformer and high capacity filter power supply. This helps ensure lower distortion, greater low frequency control force and clearer voice when the amplifier outputs at full load. The pro amplifier offers three output modes, including stereo, mono and bridge output. The use of time delay relay circuit allows soft start, which helps protect the speaker against electric shock during POWER ON or OFF. The pro amplifier is widely used on many occasions for speech transmission and sound reinforcement.

Features

- High strength structural frame chassis, with symmetrical structure, quick assembly
- High energy linear power supply, high efficiency transformer
- Modular structure, high resolution, clear and delicate
- Balanced, unbalanced input
- Stereo, mono, bridging three output modes
- High sensitivity of safety protection circuit
- Power supply, protection, signal, clipping LED working status indication
- Peak amplitude, power limit of soft starting system. With character of soft start circuit machine relay delay, ruby protecting speaker free
- Double Speaker and loudspeaker wiring column output
- High efficiency dual fan cooling channel

Specifications

MODEL NUMBER	YA200	YA450	YA650
Input sensitivity/impedance	500mv/20KΩ	500mv/20KΩ	500mv/20KΩ
Output consumption	8Ohm	2 X 200W	2 X 650W
	4Ohm	2 X 350W	2 X 850W
	Bridged 8Ohm	600W	1050W
Frequency response	20Hz-20KHz	20Hz-20KHz	20Hz-20KHz
S/N ratio	>90Db	>90Db	>90Db
Wave Distortion	<0.05%	<0.05%	<0.05%
Channel Crosstalk	<-70Db	<-70Db	<-70Db
Output impedance	4~16Ω	4~16Ω	4~16Ω
Power supply	220~230V	220~230V	220~230V
N.W	12kg	16kg	19kg



YL100



YL250



YL300

Professional Conference Speaker

Model	YL100	YL250	YL300
Specification	horn tweeters, 12" bass	horn tweeters, 12" bass	horn tweeters, 15" bass
Color	black	black	black
Material	woodiness	woodiness	woodiness
Frequency response	60Hz-15KHz	45Hz-18KHz	45Hz-18KHz
Impedance	8Ω	8Ω	8Ω
Rate power	100W	250W	300W
SPL	114dB(continuous); 121dB(Max)	117dB(continuous); 125dB(Max)	123dB(continuous); 129dB(Max)
Dispersion Angle	40°-60°	40°-110°	40°-110°
Input sensitivity	93dB	97dB	97dB
Dimension(H*W*D)	315mm*350mm*500mm	400mm*370mm*630mm	450mm*450mm*780mm
Weight	15kg	25kg	35kg

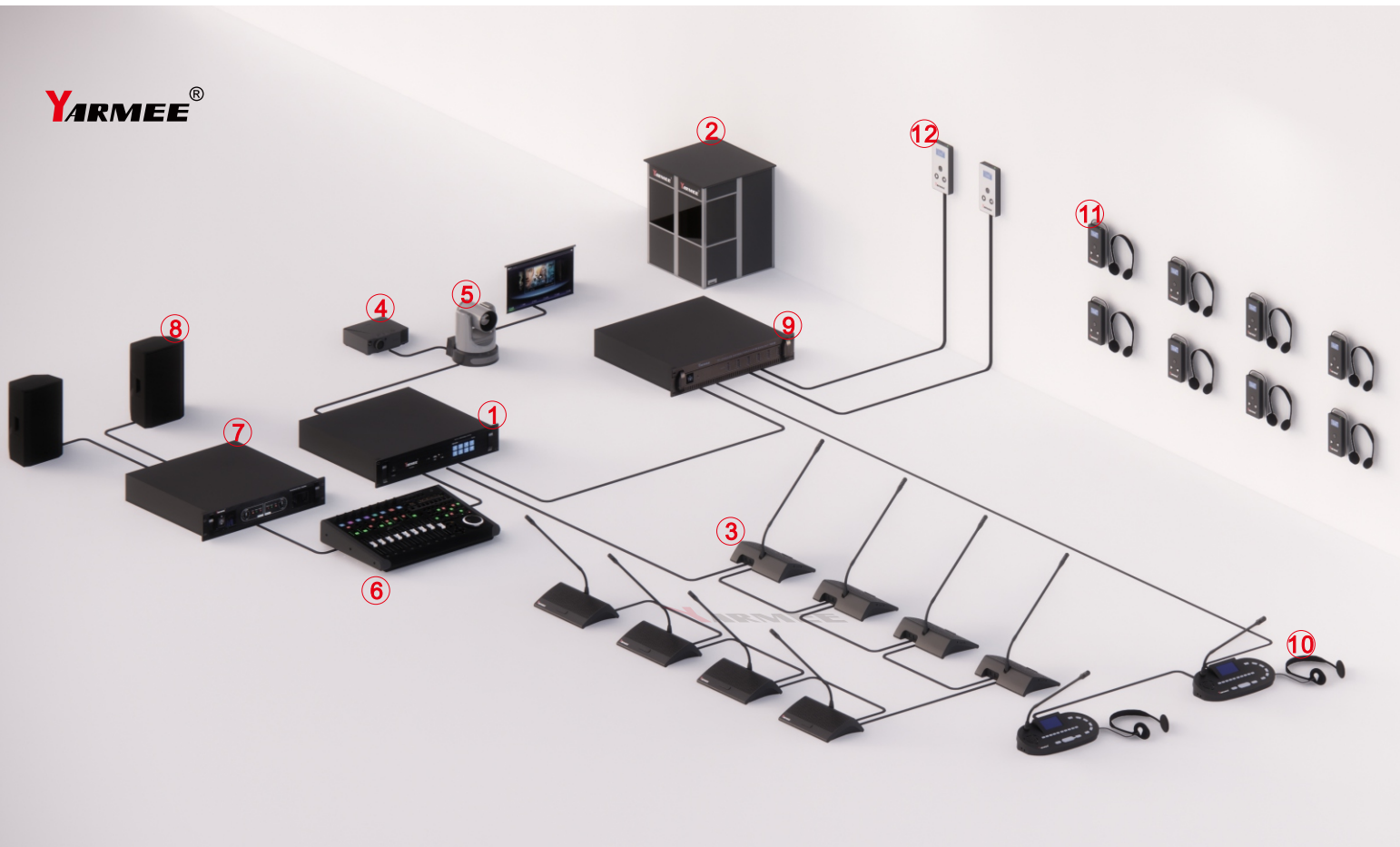


YL50

Specifications

Specification	6.5"/1 way
Color	White
Material	Plastic
Frequency response	100Hz-16KHz
Impedance	4 Ω
Rated power	20W-50W
SPL	120dB, 124dB(peak)
Dimension(φ,H)	180mm*80mm
Weight	1.57kg
Installation	ceiling type

Connection Diagram



YC838 Wired Conference Microphone + YS504 Interpretation System + YT200 Radio Guide System

- | | | | |
|--|---------------------------------|-----------------------------------|-------------------------------|
| ① YC838M
Wired control unit | ② YP45
Interpreter Booth | ③ YC838D
Conference microphone | ④ ***
Projector |
| ⑤ YC532
HD conference camera | ⑥ YM80
Audio mixer | ⑦ YA200
Power amplifier | ⑧ YL100
Loud Speaker |
| ⑨ YS504M
Interpreter Central control unit | ⑩ YS504I
Interpreter console | ⑪ YT200R
Radio Receiver | ⑫ YT200T
Radio Transmitter |

Pictures of projects

