



-  Recording
-  Anti-interference
-  Discussion
-  Loudspeaker
-  Camera
-  Voting

**Full Funtions Digital Conference System
YC845**



YC845M
Central Control unit



YC845 Full Functions Conference System

Overviews

As the multiple-conference is more and more popular, the requesting of the meeting equipments are higher for the multi-functional meeting room, it needs the function of video camera auto-track, voting, electing and interpretation in lots of the discussion meeting situations. Our company developed the multi-functional meeting control system on the base of summarizing the experience of multiple-conference and speaking system for many years.

This conference system was designed by the latest digital technology in accordance with IEC914 and ISO standards. It's a high effective multi-functional meeting system for a meeting or conference, and it's easy to set-up, debug and use without training.

Features

- Mix discussion, camera tracking and voting functions together
- Teleconferencing is allowed with telephone coincidence
- Built in frequency shifting, restraining screaming
- The rack hole: fixed the main machine in the 19" standard rack
- Supports automatic camera tracking
- Tracking blackout remembering function, still tracking even breaking away from a computer
- The main machine has 4 route can connect 60 units, through extend power machine can connect 2000 units
- Seceding the computer and controlling the keyboard could bring about the function of automatic tracking video
- It has LCD display screen menu of Chinese and English. Bring about the control of the meeting function with the function-key
- Support Meeting Mode: Limit (1/2/3/4/5/6), FIFO (1/2/3/4/5/6), Chairman Only,AUTO

YC845M Central Controller Unit

Specifications

NAME	YC845M
Input/output	8P-DIN*4 XLRM*1 RCA*1 6.35mm*1
Input	RCA*1
Power supply	AC220V-50HZ
Current drain	120W(MAX)
Frequency response	100-14KHZ
Weight	8.5kg
Dimension(W,D,H)	480×325×88mm
Colour	Dark gray

Interconnections

Back

- Serial communication port: With 9-pin connectors to connected the computer.
- LINE IN RCA connect to MIXER or RECORDER
- LINE OUT, can be connected the Power amplifier or mixer.
- REC OUT, high impedance output, can be connected recording equipment.
- PHONE OUT, headphone or other equipments.
- Balance output for connecting the equipment which need to balance input.
- 3 group Microphone unit jack input
- Expansion jack: for expanding the mainframe to connecting more units or unit.
- Video signal input
- Video signal output
- Camera port RS-485
- Camera port RS-232
- Power port AC220V 50Hz



YC845C Desktop Chairman Discussion Unit



YC845C Chairman unit

YC845C/D YARMEE Chairman/delegate unit (Discussion, camera tracking and voting functions together)

YC845M series is a new desktop discussion unit which includes a chairman unit (YC845C) and delegate unit (YC845D). Chairman unit has priority of the whole meeting and can terminate or discontinue other delegate units who is speaking.

Features

Controls and Indicators

- Microphone on/off button.
- Chairman priority button, When pressed the chairman priority button causes all currently active delegate microphones to be permanently muted.
- Rotary volume control for adjusting built-in loudspeaker volume or headphone volume (when headphone connect).
- Built-in loudspeaker and pluggable microphone.
- The built-in loudspeaker, automatically muted when microphone is on or headphones are connected.
- Microphone has "no" indicator (red LED).
- With 5 buttons Voting: 1: "ATTEND" 2: "YES" 3: "NO" 4: "ABSTAIN" 5: "RESET"
- Microphone button with a red or green illuminated ring LED. Green indicates microphone is active, red indicates request-to-speak not accepted.
- Chairman priority button, When pressed the chairman priority button causes all currently active delegate microphones to be permanently muted.

Interconnections

- 1x 3.5 mm stereo jack type headphone sockets.
- 1x 3.5 mm mono jack type line in sockets.
- 2 m cable terminated within a circular din connectors 8P DIN cable plug.
- Circular din connectors 8P DIN panel female for loop-through connections.

Specifications

Power Supply	DC24V supplied by the central unit
Power Consumption	40mA
Interface Type	8P-DIN
Earphone Output	3.5mm stereo jack
Installation	Desktop
Earphone Impedance	8 - 32 Ohm
Connection Mode	Daisy-Chain
Crosstalk Attenuation	>80 dB
Speaker Power	2W
Microphone Type	Condenser
Polar pattern	Ultra Cardioid
Frequency response	100hz-14kHz
Signal-to-Noise Ratio	>80 dB
Sensitivity	-47 dBV/Pa
Length of Microphone	420mm
Color	Silver/Gray Black
Diamensions	190×130×56mm
Weight	1.1Kg

YC845C Desktop Chairman Discussion Unit



YC845D delegate unit

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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



**YAN300/YAN400/YAN800
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

- **Innovative Design:** Stylish appearance with a standard 2U chassis height, suitable for rack installation. The high-strength symmetrical chassis structure ensures quick and easy assembly.
- **High-Efficiency Power Supply:** Features a large transformer and high-capacity filter capacitors for low distortion and enhanced low-frequency control at full load, delivering clearer sound.
- **Front Panel Controls:** Precise gain control and status indicators for power, signal, protection, and clipping.
- **Advanced Protection Circuitry:** Unique automatic protection for each channel, including DC, overheating, overload, and limiting.
- **Automatic Cooling System:** Variable-speed fan adjusts based on power usage for reliable performance.
- **Professional Connections:** Equipped with balanced XLR input/output interfaces and SPEAKON output connectors.
- **Flexible Operation Modes:** Rear panel switch for selecting stereo, bridge, or parallel modes.
- **Powerful Output:** Robust power output for a wide range of applications.

Specifications

MODEL NUMBER	YAN300	YAN400	YAN800
Input sensitivity/impedance	>20kΩ	>20kΩ	>20kΩ
Output consumption	8Ohm	2x300W	2x800W
	4Ohm	2x500W	2x1300W
	Bridged 8Ohm	600W	1600W
Frequency response	20Hz-20KHz	20Hz-20KHz	20Hz-20KHz
S/N ratio	98dB	98dB	98dB
Total Harmonic Distortion	<0.05%	<0.05%	<0.05%
Damping Factor	>300	>300	>300
Cooling System	Fan-cooled, airflow from front to rear, speed adjusts automatically based on temperature		
Power supply	AC220V~50Hz	AC220V~50Hz	AC220V~50Hz
N W	15.7kg	16.4kg	19.2kg



YLN250



YLN350



YLN400

Professional Conference Speaker

Model	YLN250	YLN350	YLN400
Specification	horn tweeters, 10" bass	horn tweeters, 12" bass	horn tweeters, 15" bass
Color	black	black	black
Material	woodiness	woodiness	woodiness
Frequency response	70Hz ~ 18KHz	65Hz-18 kHz	42Hz- -18 kHz
Impedance	8Ω	8Ω	8Ω
Rate power	250W (Peak 500W)	350W (Peak 700W)	400W (Peak 800W)
SPL	117dB SPL	120dB SPL	128dB SPL
Dispersion Angle	90°-60°	90°-60°	90°-60°
Input sensitivity	94dB	96dB (1W / 1m)	96dB (1W / 1m)
Dimension(H*W*D)	308x345x520mm	369x410x595mm	442x490x711mm
Weight	16.5kg	21.5kg	30kg

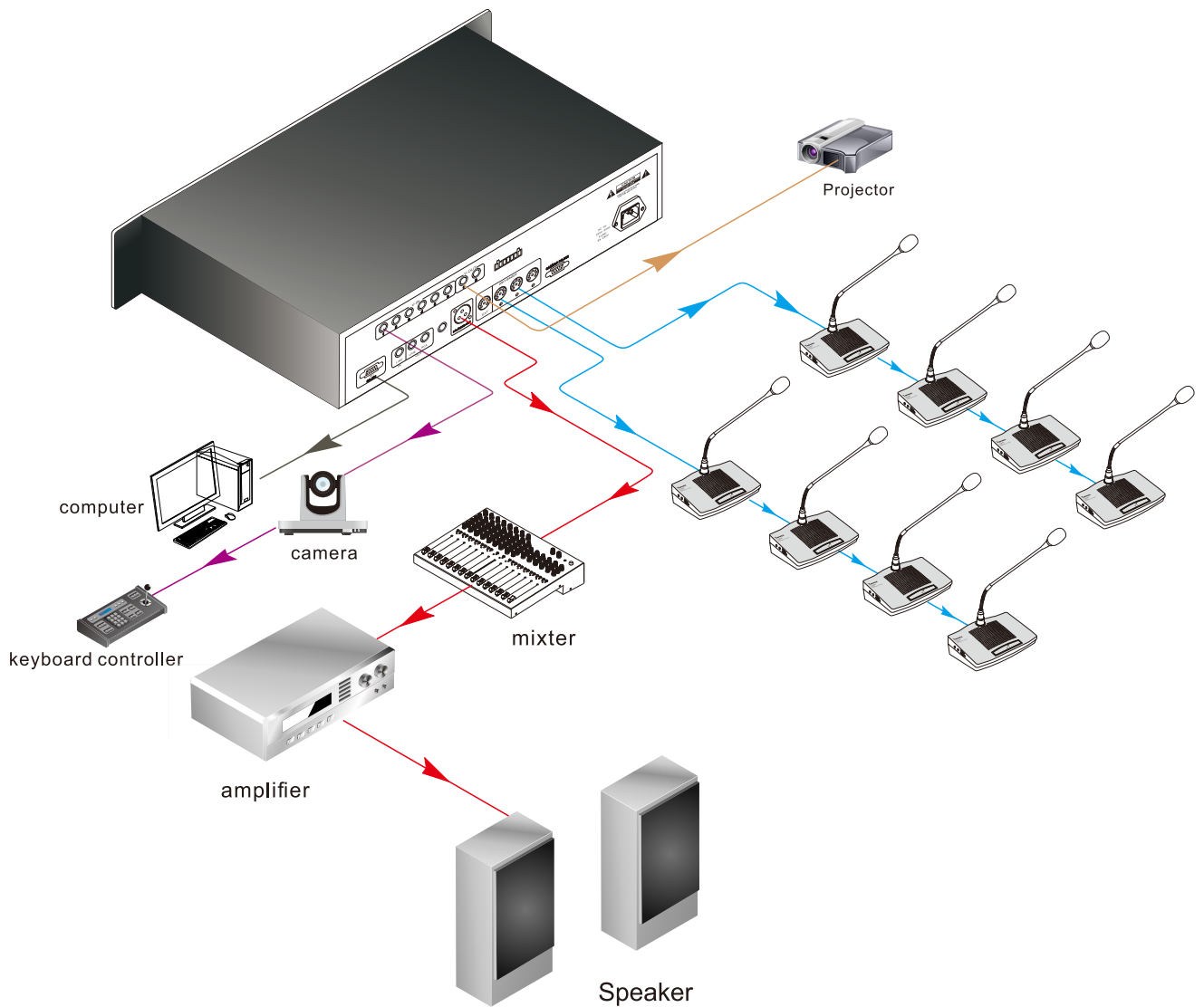


YL50

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



Pictures of projects

