Wireless   Discussion   Camera   Recording

Digital Wireless Conference Systems

YCU892MR

YCU892MR Wireless Central Controller Unit

Wireless   Discussion   Camera   Recording

YCU892MR
Central Control unit

YCU892 Digital Wireless Conference System

Overvies

YCU892 With high flexibility and reliability, our UHF wireless conference system is an ideal choice for mobile conference systems. It offers simple operation, compact structures. The wireless conference system can be perfectly integrated into any meeting rooms, without additional wiring. It's the best wireless conference solutions for small-scale conferences.

Features

- Support Meeting Mode: Limit (1/2/3/4), FIFO (1/2/3/4), Chairman Only,

- Support up to 999 units microphones with one YCU892M, 5 microphones can be turned on at the same time.

- 8 hours during speech or approx. 30 hours when standby.

- Adopt multi-channel high band and intermediate band frequency selective filtering, fully eliminate interference signal

- Anti-interference from cellphone

- Operation distance up to 100 meters

- Support video camera auto-track

Specifications

Audio channel

Transmission method	UHF Wireless (one way)
Audio channel	5 (1 chairman,4 delegate)
Carrier frequency band	500MHz~950MHz
Modulation method	FM
Receiving sensitivity	-100dBM
Audio gain	≤20
Frequency response	50Hz-15KHz
S/N Ratio	＞85dB
T.H.D.	＜0.8%

Specifications

Data control channel

Transmission method	Wireless (two-way)
Data channel	16
Frequency Range	422.4MHz ~ 438.4MHz
Modulation method	FSK
Receiving sensitivity	-100dBM
Transmission consumption	≤6dBm
Communication rate	100KBPS
Frequency deviation	＜0.002

System

Power supply	DC12~15V ≤1A
Signal covering range	Radius 60 meters
Consumption Rating	7W
Operating temperature range	-10-40 degree
Dimensions	485 * 355 * 85mm
N.W	7kg

Interconnections

Back

ANT DATA: System data control antenna interface
DATA: External video processor connection interface
DC Power input
MIX OUT: Mixed audio output
MIX BAL: Mixed audio balance output
ANT B: Delegate mic RF antenna interface
ANT B: Delegate mic RF antenna interface
ANT A: Chairman mic RF antenna interface

Wireless　　Discussion　　Camera　　Recording

YCU892C Wireless Chairman Unit

Features

- Including the functions of the delegate unit, chairman unit has other following functions:

- Chairman microphone can turn on any time.

- Priority function: chairman can turn off delegate microphones by clear key any time

- Chairman only mode: Delegate microphone can not be turned on again after chairman microphone press priority button.

- OLED panel display microphone ID, battery level, control channel, volume level and battery status.

- Equipped with 3 function keys to set microphone id,

Specifications

Items	Parameter
Power supply	DC3.7~4.5V
Signal covering range	Radius 60 meters
Consumption Rating	Standby: ≤360mW Speaking: ≤630mW
Operating range	-10-40 degree
Dimensions	170×58×120mm
N.W	0.7kg

YCU892D Wireless Delegate Unit

Wireless   Discussion   Camera   Recording

Features

- Portable table moving and microphone pipe can be pulling out. Extended pipe option.

- Electric capacity type microphone, equipped with windshield cover

- OLED display microphone ID, battery level, microphone state, control channel, etc.

- Equipped with microphone on/off key and indicator.

- Equipped with 3 function keys to set microphone id, control channel, volume level and battery status.

- Microphone will shut off the power or in standby if receiver powered off.

Specifications

Items	Parameter
Power supply	DC3.7~4.5V
Signal covering range	Radius 60 meters
Consumption Rating	Standby: ≤360mW Speaking: ≤630mW
Operating range	-10-40 degree
Dimensions	170×58×120mm
N.W	0.7kg

YP36 Recharger Case

- Input Voltage: AC 110V~220V.

- Charges 16 PCS of lithium battery per charging.

- Intelligent charging management electro circuit to protect the LIP battery.

- Equipped with extendable handle and pulley, easy for moving.

YP36 is a Battery charger case 16 pcs for lithium battery. Battery lithium use with wireless chairman discussion unit (YCU892C) and wireless delegate discussion unit (YCU892D).

Features

- Input Voltage: AC 110V~220V.
- Charges 16 PCS of lithium battery per charging.
- Intelligent charging management electro circuit to protect the LIP battery.
- Equipped with extendable handle and pulley, easy for moving.

Specifications

Power Supply	110V-240V/50Hz~60Hz
Consumption Rating	200W
Charge quantity	16
MAX charging current of ea unit	700mA
Charging time	About 8~10 hours
Charging status	Red LED flashing Charging
	Green LED full Charged
Operating temperature range	0-40 degree
Dimensions	620*70*75 mm
N.W	9kg

YCV910M Video Tracking Main Unit

Overvies

In modern society, the request of conference is not just limited on the simple sound, but also requests the music, video backup records or remote transmission, this system is designed for meeting this kind of requests. This system can implements connection between the speaking and photography to implement the automatic tracking location photography function. This system easy to operate, setting the photography spot through using the software, and it can also setting the spot without the computer, so that to enhance the flexibility for using and save the cost.

Features

● Built-in HDMI video switching matrix (4 inputs, 4 outputs).

● 512 video camera auto-track control points. Multi-machine cascade

● Support Pelco-D and VISCA protocol. (Pelco-D, Baud Rate: 9600, VISCA , Baud Rate:9600)

● The processor can communicate with the equipment by RS232 and USB interface, such computer or video switching matrixes.

● High speed dome follows the location for last opening of all speaking representative , when the microphone which opened last was closed, the dome will follows back the last following camera spot, and when all the speaking representative microphone were closed, the dome will automatically moves back to the standby position.

● When without the computer, set the camera spot advanced through pressing the button in main unit board, and also set by the IR remote controller.

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	LOW: 80Hz ±15dB	LOW: 80Hz ±15dB
	MID:2.5kHz ±15dB	MID:2.5kHz ±15dB	MID:2.5kHz ±15dB
	HIGH: 12kHz ±15dB	HIGH: 12kHz ±15dB	HIGH: 12kHz ±15dB
Gain Control	Mono: -55dB~0dB	Mono: -55dB~0dB	Mono: -55dB~0dB
	Stereo: -10Db~0dB	Stereo: -10Db~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
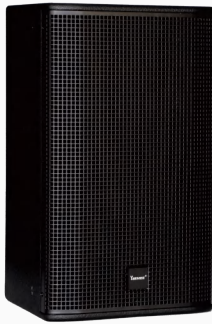## Professional Conference Amplifier

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	2x400W	2x800W
	4Ohm	2x500W	2x600W	2x1300W
	Bridged 8Ohm	600W	800W	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

interpreter booth

YT200T
Transmitter

YT200R
Receiver

Camera

interpreter CCU

Speaker

YCU892M
Central control unit

YCV910M
Video tracking main unit

amplifier

YCU892D

mixer

up to 999 Microphones

interpreter console

Pictures of projects