



PROFESSIONAL PRODUCTS CATALOG

FULLY DIGITAL CONFERENCE & SOUND SYSTEMS

2022

CATEGORY

CONFERENCE SYSTEMS

WIRELESS DIGITAL CONFERENCE SYSTEMS

01-08

DWS-2000 SERIES | DWS-1000 SERIES | DCW-9900 SERIES |
WCS-400 SERIES

DIGITAL CONFERENCE SYSTEMS

09-18

DCS-2000 SERIES | DCS-1000 SERIES | DCS-990 SERIES |
DCS-900 SERIES | DCS-800 SERIES

WIRELESS MICROPHONE 4 CH

19

WCM-440 SERIES

DESKTOP GOOSENECK MICROPHONE

20

GMX-48TB

DIGITAL SIGNAL PROCESSOR (DSP)

21-25

DAP-8400 | DAM-5002 : ANTI-FEEDBACK SUPPRESSOR & AUTO MIXER
AEC-2000 | DMC-8800 : ECHO CANCELLATION
VHSW-4681 : HDMI SWITCHER

VIDEO CONFERENCE CAMERA / WEB CONFERENCE

26-41

KBD2020 IP | HD-400U | HD-400T | VC-100HU | VC-4K PRO (120°) |
VC-4K PRO (84°) | VC-4Kmini | VC-ONE | SVC-300

POWER SEQUENCE CONTROLLER

42

SE-812

CATEGORY

SOUND SYSTEMS

WIRELESS MICROPHONES

45-51

SU-990D | SU-890D-II | SU-850DG | SU-850DA | SU-820D | DW-240D

MICROPHONES

52

DM-89

KARAOKE AMPLIFIERS

53-54

DKA-500 | DKA-900

POWER AMPLIFIERS

55-56

D-2250 | D-8150

MIXING AMPLIFIERS

57-60

SA-60WiFi | SA-60BT | SA-150BT | SA-300BT

LOUDSPEAKER SYSTEMS

ACTIVE COLUMN SPEAKER SYSTEMS

62

ACS-1500 SERIES

KARAOKE SPEAKER

63

KS-310D

AP-SERIES

64-66

AP-28A (PORTABLE) | AP-12AU | AP-15AU

INSTALLATION SPEAKERS

67

SVS-62W | SVS-82W

OUR CUSTOMERS



CONFERENCE CONTENTS

01

DWS-2000 SERIES

Wireless Digital
Conference System

03

DWS-1000 SERIES

Wireless Digital
Conference System

05

DCW-9900 SERIES

Wireless Digital
Conference System

07

WCS-400 SERIES

Wireless Digital
Conference System

09

DCS-2000 SERIES

Professional Digital
Conference System

11

DCS-1000 SERIES

Professional Digital
Conference System

13

DCS-990 SERIES

Professional Digital
Conference System

15

DCS-900 SERIES

Professional Digital
Conference System

17

DCS-800 SERIES

Professional Digital
Conference System

19

WCM-440 SERIES

UHF Wireless Conference
Microphones system 4CH

20

GMX-48TB

Desktop
Gooseneck Microphone

21

DAP-8400

Digital Intelligent Audio
Management Plus

CONFERENCE CONTENTS

22

DAM-5002

Digital Auto AntiFeedback
Suppressor / Auto Mixer

23

AEC-2000

Automatic
Echo Cancellation

24

DMC-8800

Digital Matrix audio
processor with AEC

25

VHSW-4681

HDMI Switcher
8 in / 1 out : 4K@60Hz

26

KBD2020 IP

PTZ Camera
Controller

27

HD-400U

HD PTZ Camera Zoom 20X
HDMI/USB Conference Camera

23

HD-400T

AutoTracking, HD PTZ Camera
Zoom 20X / Digital Zoom 12X

31

VC-100HU

HD Video conference
PTZ camera Zoom 10X /
Digital Zoom 16X

33

VC-4K PRO (120°)

4K Ultra HD Ai Smart Auto
Framing ePTZ digital zoom.

35

VC-4K PRO (84°)

4K Ultra HD Auto Focus Lens,
Auto Framing, Auto Tracking,
ePTZ Digital Zoom

37

VC-4Kmini

4K Ultra HD USB Auto Framing ,
Auto Tracking, ePTZ Digital Zoom

39

VC-ONE

1080 Wide Field
USB Camera

41

SVC-300

Conference
Speakerphone 360°

42

SE-812

Professional
Power Sequence Controller

DWS-2000 SERIES Digital wireless conference system with recorder & support camera tracking



DWS-2000M is a digital wireless conference system, With high flexibility and reliability that combines advanced digital and audio technology to provide a more comprehensive solution for an efficient modern conference system. This series simple and elegant design, plug-and-play and easy to move without wiring connection.



DWS-2000M
Digital Central Controller Unit

- New concept of anti-electromagnetic interference circuit design to eliminate electromagnetic interference from mobile phones and other electronic products.
- HD 256*64 COG display, the menu is clear and easy to operate.
- Microphones in one system up to 200 units, 4 microphones can be turn on at the same time, No limit on the number of Chairman.
- With 20 Groups of optional channels, 20 Groups of systems can be used simultaneously, easily avoid all kinds of interference.
- Support Mode: FIFO (1/2/3/4), Chairman Only.
- Digital control technology, the microphone only occupies 4 audio frequency points, to avoid the occurrence of string frequency phenomenon.
- Built in video tracking function, host and computer can communicate through USB connection, use PC software to set the system and video tracking settings.
- Can connect HD cameras, support SONY VISCA, PELCO P/D communication protocol. With RS-232 port for HD camera switcher.
- Operation distance up to 100 meters with the best condition, 60 meters in normal condition.

SPECIFICATIONS

Data control channel	
Transmission method	Wireless (two-way)
Data channel	20
Frequency Range	433.05 ~ 434.79MHz
Modulation method	FSK
Receiving sensitivity	-90 dBm
Transmission consumption	≤7 dBm
Communication rate	110 KBPS
Frequency deviation	<0.003

DWS-2000M Controller Unit	
Carrier frequency band	UHF 694.5 ~ 702.7 MHz, 748.3 ~ 757.7 MHz
Frequency response	50Hz – 18kHz ±3dB
Signal covering range	60M
Consumption Rating	< 7.2W
Operating temperature range	-10°C ~ 40°C
Power supply	DC 12V
Output	XLR x 1, 6.35 mm x 1
Display	COG LCD
Dimensions (W x L x H)	483 * 266 * 45.3 mm
Weight	3.1 kgs



DWS-2000C
Digital Chairman Discussion Unit



DWS-2000D
Digital Delegate Discussion Unit

- Simple and elegant design., Easy to move and easy to Installation without problem wiring connection.
- OLED display microphone ID, battery level, microphone state, control channel, etc.
- Equipped function keys to set microphone id, control channel. With electronic volume function, can individually adjust the microphone speaking volume.
- Ultra-low power circuit design, continuous speaking time is not less than 8 hours, standby time is not less than 12 hours.
- Can use original rechargeable lithium battery or ordinary AA battery.

SPECIFICATIONS

Gooseneck Microphone	
Type	Condenser
Polar pattern	Unidirectional, Cardioid
Frequency response	50Hz – 18kHz ±3dB
Sensitivity	-46 dBV/Pa
Color	Black
Connection	4-pin
Microphone stem Length	480 mm

Chairman Unit / Delegate Unit

Carrier frequency band	UHF 694.5 ~ 702.7 MHZ, 748.3 ~ 757.7 MHZ
Frequency response	20Hz – 20KHz
Signal covering range	60M
RF Output Power	≤ 9 dBm
Operating temperature range	-10°C – 40°C
Display	PMOLED (Passive-Matrix OLED)
Transmitter power	≤ 9 dBm
Power consumption	350 mw – 630 mw
Consumption Rating	≤ 650 mw
Power supply	DC 3.7V – 4.5V
Dimensions (W x L x H)	185 * 123 * 44 mm
Weight	0.6 kg

Verification of compliance : **CE** and **RoHS**

The DWS-2000 Series conforms to standard : **NBCT**

DIAGRAM DWS-2000 SERIES



watch video



more...



DWS-1000 SERIES

Digital wireless conference system with recorder



DWS-1000M is a digital wireless conference system, With high flexibility and reliability that combines advanced digital and audio technology to provide a more comprehensive solution for an efficient modern conference system. This series simple and elegant design, plug-and-play and easy to move without wiring connection.



DWS-1000M
Digital Central Controller Unit

- New concept of anti-electromagnetic interference circuit design to eliminate electromagnetic interference from mobile phones and other electronic products.
- HD 256*64 COG display, the menu is clear and easy to operate.
- Microphones in one system up to 50 units, 4 microphones can be turn on at the same time, No limit on the number of Chairman.
- With 20 Groups of optional channels, 20 Groups of systems can be used simultaneously, easily avoid all kinds of interference.
- Support Mode: FIFO (1/2/3/4), Chairman Only.
- Digital control technology, the microphone only occupies 4 audio frequency points, to avoid the occurrence of string frequency phenomenon.
- Operation distance up to 100 meters with the best condition, 60 meters in normal condition.

SPECIFICATIONS

Data control channel	
Transmission method	Wireless (two-way)
Data channel	20
Frequency Range	433.05 ~ 434.79MHz
Modulation method	FSK
Receiving sensitivity	-90 dBm
Transmission consumption	≤7 dBm
Communication rate	110 KBPS
Frequency deviation	<0.003

DWS-1000M Controller Unit	
Carrier frequency band	UHF 694.5 ~ 702.7 MHz, 748.3 ~ 757.7 MHz
Frequency response	50Hz – 18kHz ±3dB
Signal covering range	60M
Consumption Rating	< 7.2W
Operating temperature range	-10°C ~ 40°C
Power supply	DC 12V
Output	XLR x 1, 6.35 mm x 1
Display	COG LCD
Dimensions (W x L x H)	483 * 266 * 45.3 mm
Weight	3.1 kgs



- Easy to move and easy to Installation without problem wiring connection.
- OLED display microphone ID, battery level, microphone state, control channel, etc.
- Equipped function keys to set microphone id, control channel With electronic volume function, can individually adjust the microphone speaking volume.
- Operation distance up to 100 meters with the best condition, 60 meters in normal condition
- Ultra-low power circuit design, continuous speaking time is not less than 8 hours, standby time is not less than 12 hours. Can use original rechargeable lithium battery or ordinary AA battery.

SPECIFICATIONS

Gooseneck Microphone	
Type	Condenser
Polar pattern	Unidirectional, Cardioid
Frequency response	50Hz – 18kHz ±3dB
Sensitivity	-46 dBV/Pa
Color	Black
Connection	4-pin
Microphone stem Length	480 mm

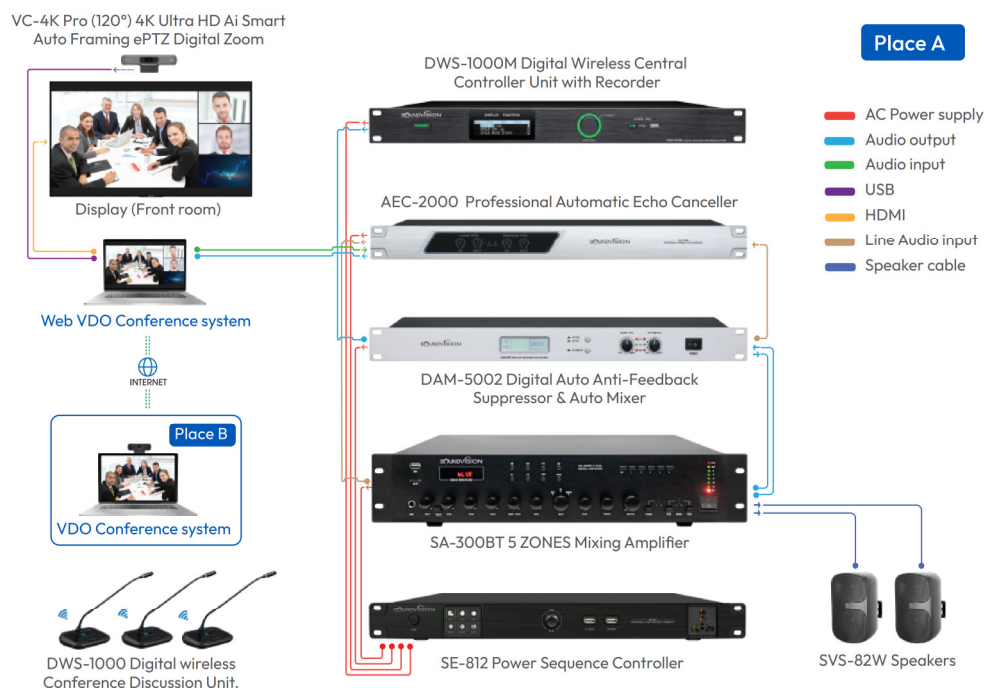
Chairman Unit / Delegate Unit

Carrier frequency band	UHF 694.5 ~ 702.7 MHZ, 748.3 ~ 757.7 MHZ
Frequency response	20Hz – 20KHz
Signal covering range	60M
RF Output Power	≤ 9 dBm
Operating temperature range	-10°C – 40°C
Display	PMOLED (Passive-Matrix OLED)
Transmitter power	≤ 9 dBm
Power consumption	350 mw – 630 mw
Consumption Rating	≤ 650 mw
Power supply	DC 3.7V – 4.5V
Dimensions (W x L x H)	185 * 123 * 44 mm
Weight	0.6 kg

Verification of compliance : **CE** and **RoHS**

The DWS-1000 Series conforms to standard : **NBCT**

DIAGRAM DWS-1000 SERIES



more...



DCW-9900 Series

Wireless Digital Conference System



DCW-9900 series is 2.4G Wireless digital conference system, this series includes Wireless digital controller Unit (DCW-9900M), Wireless digital chairman unit (DCW-9900C) and Wireless digital delegate unit (DCW-9900D). This series combined video-tracking system, supports HD camera and SD camera and support up to 255 units.



DCW-9900M Wireless Digital Controller Unit
with Recorder and Support control HD/SD camera Up to 4 unit.

- 2.4GHz ADFHSS technology to increase the security.
- Good ability for resistance to Mobile interference. / Built-in feedback eliminating technology.
- The microphone can open at same time: 1,2,3,4 / The DCW-9900M can support 255 microphone units.
- Discussing and video-tracking combined conference system
- Built-in Video switcher processor 4IN/2OUT for HD video camera and SD video camera up to 4 unit.
- Support protocol camera control Pelco-D, Pelco-P and Visca.
- The electrical load and short circuit protection function and the power switch turn-on/off without silent noise.
- Equipped with audio parallel output, Balanced output and a 6.3 jack output, conference recording outputs and background music inputs interface.
- Built in USB port for recording with light indicator. (Maximum 64GB)
- RS232 interface can be achieved using computer software to control entire conference system function.
- Four operational microphone modes: CHAIRMAN mode, FIFO mode, LIMIT mode, TIME LIMIT mode

SPECIFICATIONS

Carrier frequency band	2.400 - 2.500GHz
Communication distance	60M (Max)
Frequency response	20Hz ~ 20KHz
T.H.D.	<0.05%dB
S/N Ratio	>90dB
Operating temperature range	-20 ~ 70°C
Signal covering range	60M (Max)

Power supply	DC 12V~17V
Power consumption	6.5W
Dynamic range	>100dB
Channel crosstalk	>60 dB
Display	LCD 240 x 128 x 63
Dimensions (W*H*D)	480 x 370 x 85 mm
Weight	6KG

DCW-9900C 2.4G Wireless Digital Chairman Discussion Unit



DCW-9900D 2.4G Wireless Digital Delegate Discussion Unit



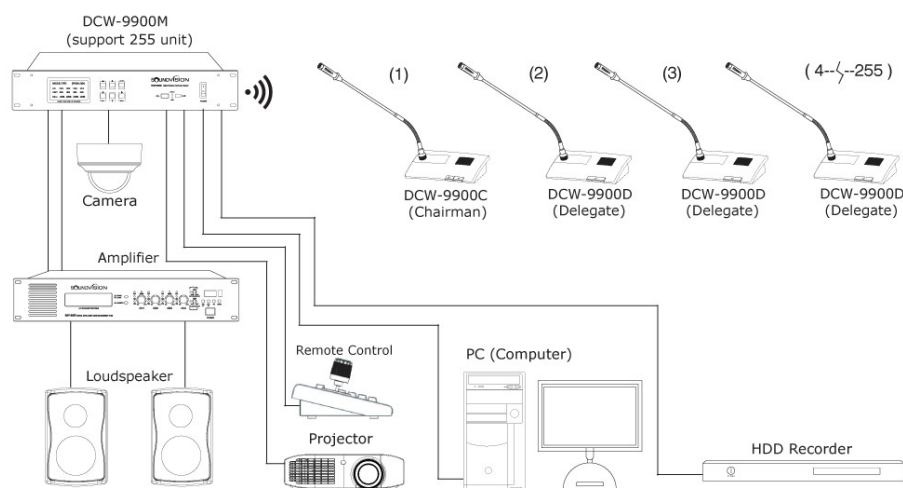
- 2.4G Wireless digital conference system. Easy to move without wiring connection.
- Good ability for resistance to Mobile interference.
- The Chairman unit is unrestricted by the limiting function. Used as chairman unit. Chairman priority button.
- LCD 128×64 dot matrix display microphone ID, battery level, microphone state, speaking mode, duration Speech time.
- Built in Lithium battery and can rechargeable power of battery.
- Support automatic video-camera tracking function.
- ABS plastic shell, fashion short microphone.
- Adopt flocking technology with the surface of the shell, high grade and scratch resistance.
- Long pickup distance, high fidelity microphone supplies first-rate definition and directivity.

SPECIFICATIONS

Carrier frequency band	2.400-2.500GHz
Frequency response	40Hz-18kHz
S/N Ratio	68dB (A-Weight)
Sensitivity	-43 dBV/Pa
Transmitter power	10mW

Microphone Type	Condenser
Polar pattern	Ultra-Cardioid
Length of Microphone	480mm
Power supply	Built in Lithium battery
Dimensions (W*H*D)	190 x 125 x 63 mm
Weight	700g

DIAGRAM DCW-9900 SERIES



more...



WCS-400 Series

Wireless Digital Conference System



WCS-400 Series is a new UHF Wireless Conference System, this series includes Controller Unit with Recorder (WCS-400MR), Discussion Desktop Unit for Chairman (WCS-400CL chairman) and Discussion Desktop Unit for Delegate (WCS-400DL delegate)

This series simple and elegant design, plug-and-play and easy to move without wiring connection.



WCS-400MR

Wireless Controller Unit with Recorder

- LCD display for status information and function.
- Built in USB port for recording in MP3 format and Support up to 32GB.
- With HD circuit design, system create high performance sound quality.
- Maximum 20 sets system can be used at the same venue.
- Control for up to 50 wireless discussion units. (included 1 unit chairman) can be connected with one central control.
- Easy to move and easy to Installation without problem wiring connection.
- Up to 3 open microphones at the same time.
- Operational microphone modes: FIFO mode delegates can override each other simply by activating their microphones. (1/2/3)
- Typical range 60 m (200 ft).

SPECIFICATIONS

Data control channel	
Transmission method	Wireless (two-way)
Data channel	20
Frequency Range	433MHz ~ 437MHz
Modulation method	FSK
Receiving sensitivity	>-112dbm
Communication rate	100KBPS
Frequency deviation	± 400Hz

Carrier frequency band	UHF 803.2 ~ 805.8MHz
Frequency response	45Hz ~ 18KHz ±1dB
Signal covering range	60M
Consumption Rating	36W
Operating temperature range	5°C ~ 50°C
Power supply	DC 12V-18V
Output	XLR x 1, 6.35mm x 1
Display	LCD
Dimensions (W*H*D)	421 x 225 x 45 mm
Weight	2.4kg

WCS-400CL (Chairman) UHF Wireless Desktop Unit



WCS-400DL (Delegate) UHF Wireless Desktop Unit



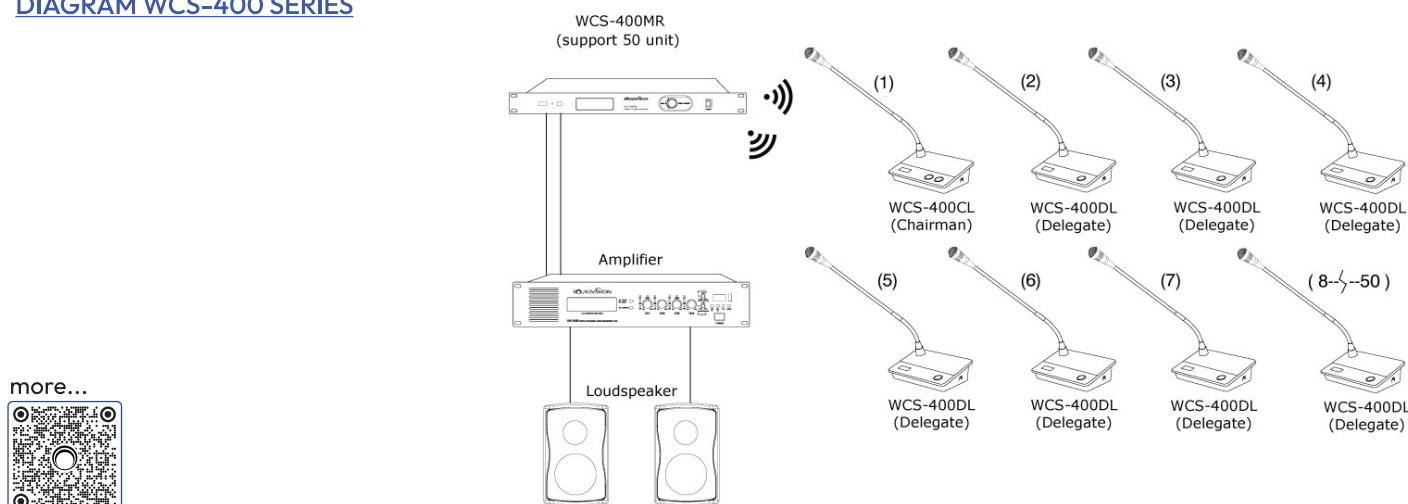
- Simple and elegant design.
- Used as chairman (Chairman unit). / Used as delegate (Delegate unit).
- Microphone on/off with Touch button.
- Chairman priority with Touch button (Chairman unit only).
- OLED display microphone ID, battery level, microphone state, control channel, etc.
- AA Battery life approx. 6 hours.
- Easy to move and easy to Installation without problem wiring connection.
- Microphone stem length 50cm (500mm)

SPECIFICATIONS

Carrier frequency band	UHF 803.2 ~ 805.8MHz
Signal covering range	60M
RF Output Power	≤ 9mW
Operating temperature range	5°C ~ 50°C
Microphone Type	Condenser
Polar pattern	Hyper - cardioid
Power supply	DC 4.5V (1.5V AA*2)
Frequency response	45Hz ~ 18KHz ±1dB

Sensitivity	S/N>60dB @25KHz, 6dBv
Display	OLED
Length of microphone	50 cm (500 mm)
Transmitter power	10mW
Power consumption	<200mA
Consumption Rating	0.6W
Dimensions (W*H*D)	170 x 120 x 50 mm
Weight	1kg

DIAGRAM WCS-400 SERIES



DCS-2000 SERIES

Digital Conference System With Camera tracking & Voting



DCS-2000M is a digital conference system, that combines advanced digital, network, and audio technology to provide a more comprehensive solution for an efficient modern conference system. It can communicate with smart phone systems, central control systems, and video conferencing systems.



DCS-2000M Digital Central Controller Unit

- Full-function Digital Conference System Controller. And efficient voting and sign-in function.
- 5 inch full-view IPS capacitive touch screen, intuitive display, and easy adjustment of system parameters.
- The microphone can open at the same time: 1,2,3,4,5,6,7,8 and 20 microphone units.
- The DCS-2000M can be connected to a maximum of 256 conference units. And can be able to support microphone up to 1200 units by power extended machine.
- Support 4 Full HD camera automatic tracking function.
- Full remote control (Upgrade networked , set the IP address, has a TCP/IP network interface, connected to a wireless router and use computers, mobile phones, tablets and other devices in the same LAN to operate and set the controller, support Windows systems.
- Use high-performance DSP processor to perform 32-band equalization.
- Five operational microphone modes : FIFO mode, LIMIT mode, FREE mode, APPLY mode, VOICE mode.

SPECIFICATIONS

Power Supply	AC 110 – 220V/50Hz	
Max Power Consumption	120W	
Frequency response	20Hz – 20kHz	
Input impedance	LINE : 47K Ω	DIN : 22K Ω
Output impedance	RECORD : 120 Ω	LINE : 100 Ω
	BALANCE : 120 Ω	UNBALANCE : 100 Ω
Signal to Noise Ratio	> 96dBA	

Total Harmonic Distortion Ratio	< 0.05%
Operation temperature	-20°C ~ 50°C
Storage temperature	-10°C ~ 40°C
Color	Black
Dimensions (W x L x H)	480 x 322 x 85 mm
Weight	7.5 Kgs
Set	19 inches racks



Digital Chairman Touching Discussion Unit



Digital Delegate Touching Discussion Unit

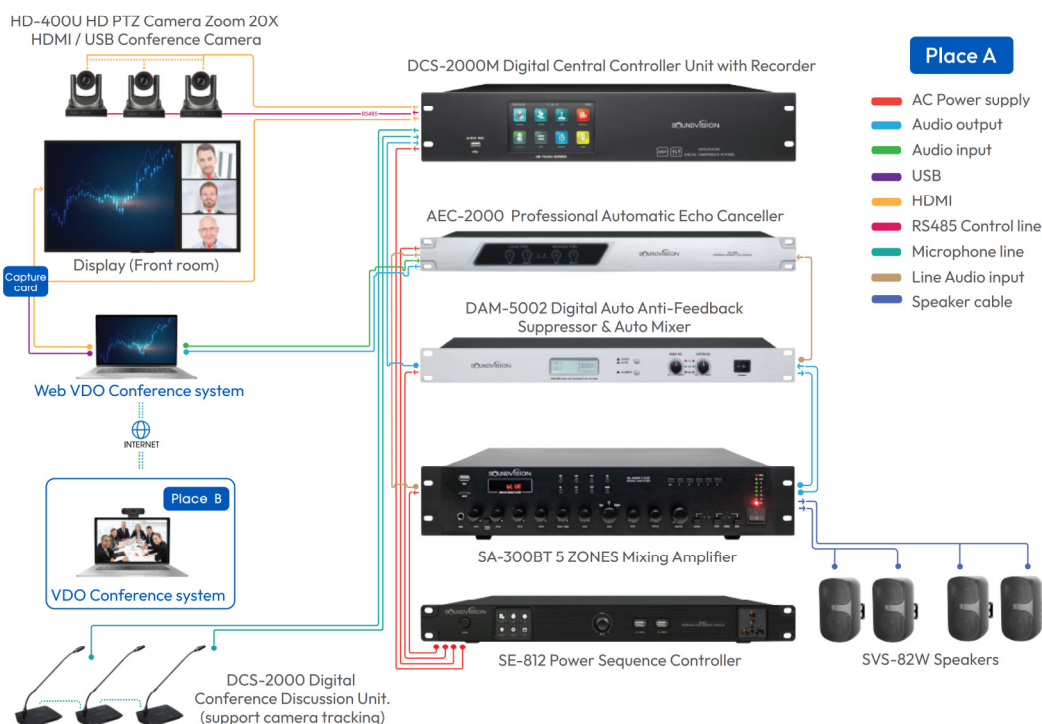
- Simple and elegant design., Sensitive touch switch. (DCS-2000CV / DCS-2000DV : Voting function)
- OLED display content is clear, can display unit parameters, date and time, speaking volume, monitoring volume, etc.
- Professional high-fidelity capacitor microphone, sensitive pickup, clear voice, bandwidth up to 20Hz – 20kHz
- The chairman unit:
 - Function of approving the speech request of the delegate.
 - Not limited by the number of speakers.
- Function priority of controlling the order of the conference.
- A system can support the use of chairman multiple units at the same time.

SPECIFICATIONS

Gooseneck Microphone	
Type	Condenser
Polar pattern	Unidirectional, Cardioid
Directional 0°/180°	>20 dB (1kHz)
Frequency response	50Hz – 18kHz ±3dB
Sensitivity	-46 dBV/Pa
SPL	125 dB (THD<3%)
Signal-to-Noise Ratio	>80 dB
Equivalent noise	20 dBA (SPL)
Color	Black
Connection	5 Pin
Microphone Stem length	480mm (DGM-48 : standard) - DGM-60 : 600mm (option) - DGM-70 : 700mm (option)

Chairman Unit / Delegate Unit	
Power Supply	DC24V
Frequency response	20Hz – 20kHz
T.H.D	<0.05%
Power Consumption	40mA
Interface Type	RJ-45 (CAT 6)
Earphone Output	3.5mm stereo jack
Input Impedance	2 KΩ
Installation	Desktop
Connection Mode	Daisy-Chain
Color	Black
Dimensions (W x L x H)	185*123*44 mm
Weight	0.6 kg

DIAGRAM DCS-2000 SERIES



more...



DCS-1000 SERIES Digital Conference System

With Camera Tracking HDMI Switcher 4 IN / 1 OUT



DCS-1000M is a digital conference system, that combines advanced digital, network, and audio technology to provide a more comprehensive solution for an efficient modern conference system. It can communicate with smart phone systems, central control systems, and video conferencing systems.



DCS-1000M
Digital Central Controller Unit

- Full-function Digital Conference System Controller.
- 3.5 inch full-view IPS display and easy adjustment of system parameters.
- The microphone can open at the same time: 1,2,3,4,5,6,7,8 and 20 microphone units.
- The DCS-1000M can be connected to a maximum of 256 conference units. And can be able to support microphone up to 1200 units by power extended machine.
- Built in USB port for recording high-fidelity WAV format output.
- Support 4 Full HD camera automatic tracking function.
- Full remote control (Upgrade networked , set the IP address, has a TCP/IP network interface, connected to a wireless router and use computers, mobile phones, tablets and other devices in the same LAN to operate and set the controller, support Windows systems.
- Five operational microphone modes : FIFO mode, LIMIT mode, FREE mode, APPLY mode, VOICE mode.

SPECIFICATIONS

Power Supply	AC 110 – 220V/50Hz	
Max Power Consumption	120W	
Frequency response	20Hz – 20kHz	
Input impedance	LINE : 47KΩ	DIN : 22KΩ
Output impedance	RECORD : 120Ω	LINE : 100Ω
	BALANCE : 120Ω	UNBALANCE : 100Ω
Signal to Noise Ratio	> 96dBA	

Total Harmonic Distortion Ratio	< 0.05%
Operation temperature	-20°C ~ 50°C
Storage temperature	-10°C ~ 40°C
Color	Black
Dimensions (W x L x H)	480 x 322 x 85 mm
Weight	7 Kgs
Set	19 inches racks



DCS-1000C
Digital Chairman Discussion Unit



DCS-1000D
Digital Delegate Discussion Unit

- Simple and elegant design.
- Display 2.4-inch IPS TFT high-brightness the display content is clear, can display the unit parameters, date and time, speaking volume, monitoring volume, etc.
- Professional high-fidelity capacitor microphone, sensitive pickup, clear voice, bandwidth up to 20Hz – 20kHz
- The chairman unit:
 - Function of approving the speech request of the delegate.
 - Not limited by the number of speakers.
- Function priority of controlling the order of the conference.
- A system can support the use of chairman multiple units at the same time.

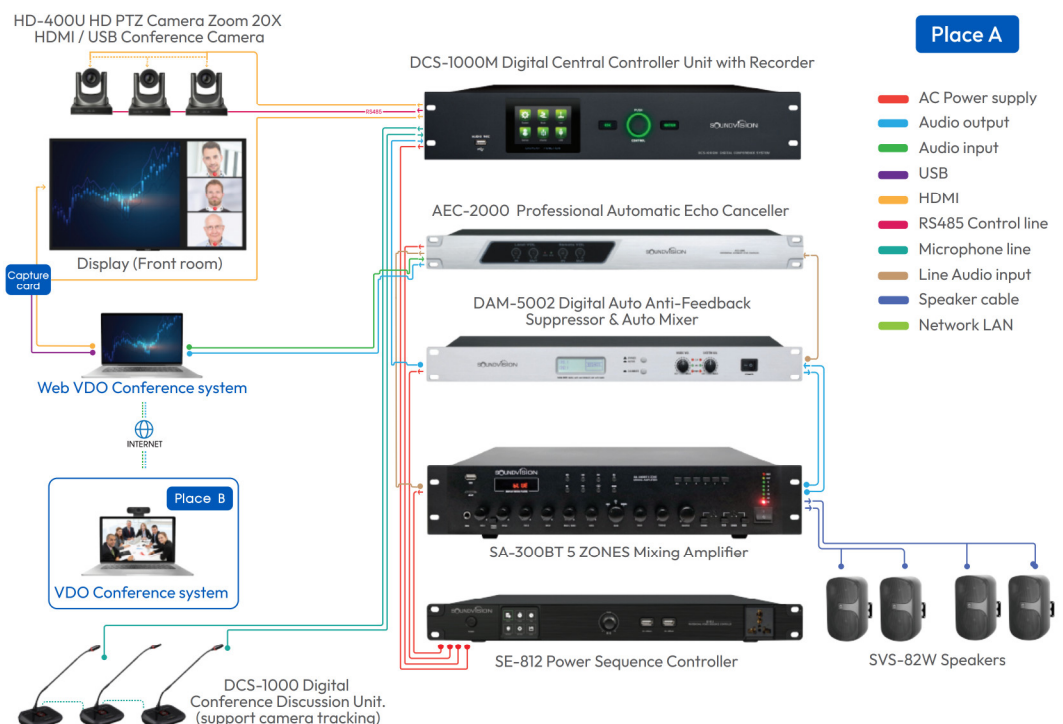
SPECIFICATIONS

Gooseneck Microphone	
Type	Condenser
Polar pattern	Unidirectional, Cardioid
Directional 0°/180°	>20 dB (1kHz)
Frequency response	50Hz – 18kHz ±3dB
Sensitivity	-46 dBV/Pa
SPL	125 dB (THD<3%)
Signal-to-Noise Ratio	>80 dB
Equivalent noise	20 dBA (SPL)
Color	Black
Connection	5 Pin
Microphone Stem length	480mm (DGM-48 : standard) - DGM-60 : 600mm (option) - DGM-70 : 700mm (option)

Chairman Unit / Delegate Unit

Power Supply	DC24V
Frequency response	20Hz – 20kHz
T.H.D	<0.05%
Power Consumption	40mA
Interface Type	RJ-45 (CAT 6)
Earphone Output	3.5mm stereo jack
Input Impedance	2 KΩ
Installation	Desktop
Connection Mode	Daisy-Chain
Color	Black
Dimensions (W x L x H)	184*124*52 mm
Weight	0.6 kg

DIAGRAM DCS-1000 SERIES



more...



DCS-990 SERIES

Digital Conference System



DCS-990 series is a new digital discussion unit, which includes Central controller Unit with USB port for recording (DCS-990M) a chairman unit (DCS-990C) and delegate unit (DCS-990D). Chairman unit has priority of the whole meeting and can terminate or discontinue other delegate units who is speaking.



DCS-990M Digital Central Controller Unit
with Recorder. Digital automatic feedback suppression
and Support control HDcamera / SDcamera Up to 4 unit.

- Discussing and video-tracking combined conference system.
- Easy to control meeting mode and the number of speakers by the buttons on the panel.
- The microphone can open at same time: 1,2,3,4,5,6 and all microphone.
- Support 60 microphone units. And can be able to support microphone up to 5000 units by power extended machine.
- The power switch turn-on/off without silent noise.
- Equipped with audio parallel output and a 6.3 jack output, conference recording outputs and background music inputs interface.
- Built in USB port for recording with light indicator. (Maximum 64GB)
- Built-in telephone coupler input and output ports can be used for a remote meeting.
- Built-in DAFS Function Digital automatic feedback suppression is controlled It can facility automatically eliminates acoustic feedback.
- RS232 interface can be achieved using computer software to control entire conference system function.
- Built-in Video switcher processor 4IN/2OUT for HD video camera and SD video camera up to 4 unit.
- Support protocol camera control Pelco-D, Pelco-P and Visca.
- Seven operational microphone modes: CHAIRMAN mode, FIFO mode, LIFO mode, LIMIT mode, FREE mode, REQUEST mode, TEST mode

SPECIFICATIONS

Power Supply	AC 100 - 240V	Total Harmonic Distortion Ratio	< 1 % @ 1kHz
Max Power Consumption	120W	Operation temperature	-20°C ~ 70°C
Frequency response	30Hz - 18kHz	Storage temperature	-30°C ~ 80°C
Input impedance	LINE : 50KΩ DIN :50KΩ	Color	Silver
Output impedance	RECORD : 200Ω LINE : 200Ω BALANCE : 300Ω UNBALANCE : 400Ω	Dimensions (W*H*D)	480 x 85 x 370 mm
Signal to Noise Ratio	> 100dB @ 1KHz	Weight	5.5 Kg
		Set	19 inches racks



DCS-990C
Digital Chairman Discussion Unit



DCS-990D
Digital Delegate Discussion Unit

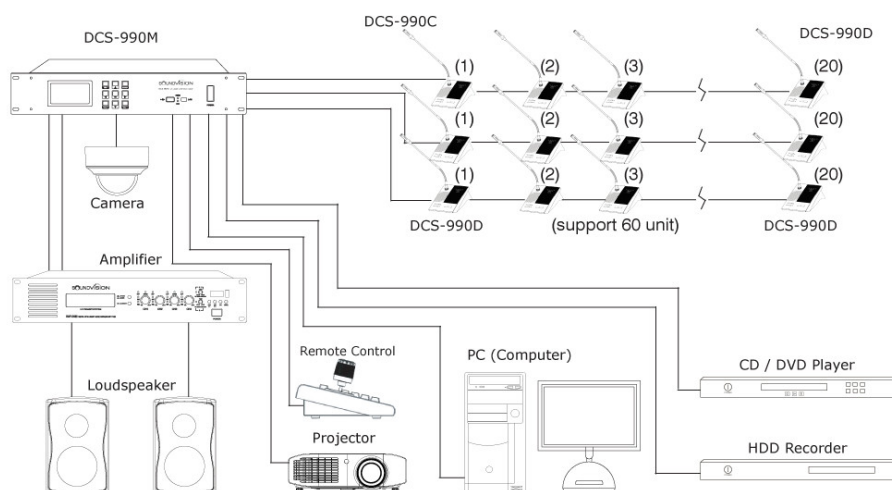
- Digital audio for good sound quality. High sensitivity microphone and good ability for resistance to Mobile interference.
- Good ability for resistance to Mobile interference.
- The chairman unit : priority key; could shut all the delegate unit. / can be placed in any position in loop. / quantity is unrestricted in the loop. / unrestricted by the limiting function.
- Speaking button and indicator lamp that can show and control the state of speech.
- 3.5mm stereo sound output socket; can be used as earphone connection.
- LCD display Volume level, microphone Mode, etc.
- Connecting cable 2.1m, 8P core line, convenient installation can increase efficiency.
- The power for units is supplied by the master controller.
- Support automatic video-camera tracking function.

SPECIFICATIONS

Power Supply	DC 9V by Control unit
Power Consumption	80mA
Interface Type	8P-DIN
Earphone Output	3.5mm stereo jack
Installation	Desktop
Input Impedance	1 K Ω
Connection Mode	Daisy-Chain
Crosstalk Attenuation	>60 dB
Speaker Power	2W

Microphone Type	Condenser
Polar pattern	Ultra-Cardioid
Frequency response	40Hz-18kHz
Signal-to-Noise Ratio	68dB(A-Weight)
Sensitivity	-43 dBV/Pa
Length of Microphone	480mm
Color	Silver
Dimensions (W*H*D)	125 x 173 x 71 mm
Weight	0.75K

DIAGRAM DCS-990 SERIES



more...



DCS-900 Series Digital Conference System



DCS-900 series New elegance digital discussion unit, which includes Central controller Unit with USB port for recording (DCS-900M) a chairman unit (DCS-900C) and delegate unit (DCS-900D). Chairman unit has priority of the whole meeting and can terminate or discontinue other delegate units who is speaking.



DCS-900M Digital Central Controller Unit

- Easy to control meeting mode and the number of speakers by the buttons on the panel.
- The LED indicator light display working mode and allowed speaking number.
- The microphone can open at same time: 1, 3, 6 and full opening.
- The DCS-900M can support 60 microphone units. And can able to support microphone up to 5000 units by power extended machine.
- The power switch turn-on/off without silent noise.
- Built in USB port for recording with light indicator. (Maximum 64GB)
- Equipped with audio parallel output and a 6.3 jack output, conference recording outputs and background music inputs interface.

SPECIFICATIONS

Power Supply	AC 100 - 240V
Max Power Consumption	120W
Frequency response	30Hz -18kHz
Input impedance	LINE : 50KΩ DIN :50KΩ
Output impedance	RECORD : 200Ω LINE : 200Ω BALANCE : 300Ω UNBALANCE : 400Ω
Signal to Noise Ratio	> 100dB @ 1kHz
Total Harmonic Distortion Ratio	< 1 % @ 1kHz
Operation temperature	-20°C ~ 70°C
Storage temperature	-30°C ~ 80°C
Color	Silver
Dimensions (W*H*D)	480 x 44 x 220 mm
Weight	3.0 Kg
Set	19 inches racks



DCS-900C
Digital Chairman Discussion Unit



DCS-900D
Digital Delegate Discussion Unit

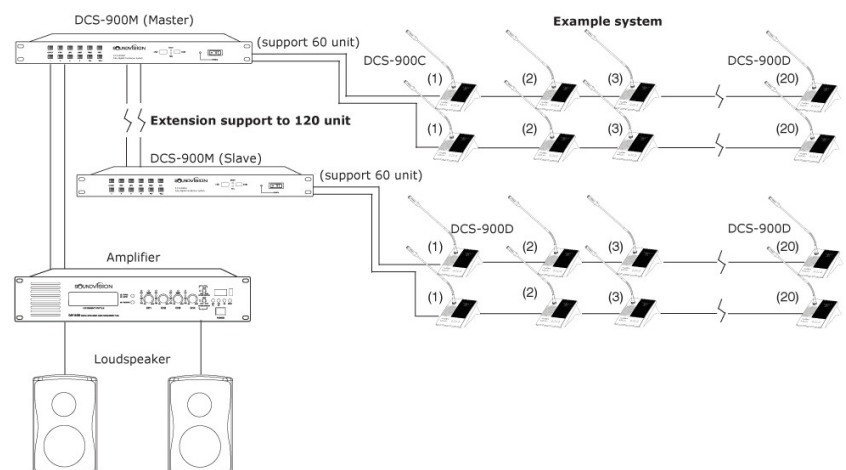
- Digital audio for good sound quality. High sensitivity microphone and good ability for resistance to Mobile interference.
- Good ability for resistance to Mobile interference.
- The chairman unit : priority key; could shut all the delegate unit. / can be placed in any position in loop. / quantity is unrestricted in the loop. / unrestricted by the limiting function.
- Speaking button and indicator lamp that can show and control the state of speech.
- 3.5mm stereo sound output socket; can be used as earphone connection.
- LCD display Volume level, microphone Mode, etc.
- Connecting cable 2.1m, 8P core line, convenient installation can increase efficiency.
- The power for units is supplied by the master controller.

SPECIFICATIONS

Power Supply	DC 9V by Control unit
Power Consumption	80mA
Interface Type	8P-DIN
Earphone Output	3.5mm stereo jack
Installation	Desktop
Input Impedance	1 K Ω
Connection Mode	Daisy-Chain
Crosstalk Attenuation	>60 dB
Speaker Power	2W

Microphone Type	Condenser
Polar pattern	Ultra-Cardioid
Frequency response	40Hz-18kHz
Signal-to-Noise Ratio	68dB(A-Weight)
Sensitivity	-43 dBV/Pa
Length of Microphone	480mm
Color	Iron Gray
Dimensions (W*H*D)	125 x 173 x 71 mm
Weight	0.75K

DIAGRAM DCS-900 SERIES



more...



DCS-800 Series

Digital Conference System



DCS-800 Series New elegance digital discussion unit, which includes a chairman unit (DCS-800C) and delegate unit (DCS-800D).Chairman unit has priority of the whole meeting and can terminate or discontinue other delegate units who is speaking.



DCS-800M

Digital Central Controller Unit

- Easy to control meeting mode and the number of speakers by the buttons on the panel.
- The LED indicator light display working mode and allowed speaking number.
- The microphone can open at same time: 1, 3, 6 and full opening.
- The DCS-800M can support 60 microphone units. And can able to support microphone up to 5000 units by power extended machine.
- The power switch turn-on / off without silent noise.
- Equipped with audio parallel output and a 6.3 jack output, conference recording outputs and background music inputs interface.

SPECIFICATIONS

Power Supply	AC 100 - 240V
Max Power Consumption	120W
Frequency response	30Hz -18kHz
Input impedance	LINE : 50K Ω DIN :50K Ω
Output impedance	RECORD : 200 Ω LINE : 200 Ω BALANCE : 300 Ω UNBALANCE : 400 Ω
Signal to Noise Ratio	> 100dB @ 1kHz
Total Harmonic Distortion Ratio	< 1 % @ 1kHz
Operation temperature	0°C ~ 35°C
Storage temperature	-40°C ~ 70°C
Color	Silver
Dimensions (W*H*D)	480 x 44 x 220 mm
Weight	3.0 Kg
Set	19 inches racks

DCS-800C Digital Chairmar



DCS-800D Digital Delegate



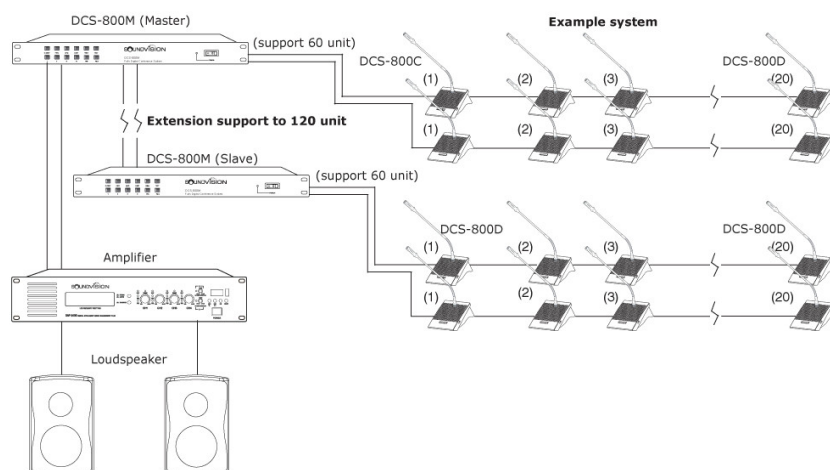
- Digital audio for good sound quality. High sensitivity microphone.
- Good ability for resistance to Mobile interference.
- The chairman unit : priority key; could shut all the delegate unit. / can be placed in any position in loop. / quantity is unrestricted in the loop. / unrestricted by the limiting function.
- Speaking button and indicator lamp that can show and control the state of speech.
- Two groups of 3.5mm stereo sound output socket; can be used as speech sound input and earphone connection.
- Connecting cable 2.1m, 8P core line, convenient installation can increase efficiency.

SPECIFICATIONS

Power Supply	DC 9V by Control unit
Power Consumption	80mA
Interface Type	8P-DIN
Earphone Output	3.5mm stereo jack
Installation	Desktop
Input Impedance	1 K Ω
Connection Mode	Daisy-Chain
Crosstalk Attenuation	>68 dB
Speaker Power	2W

Microphone Type	Condenser
Polar pattern	Ultra-Cardioid
Frequency response	50Hz-17kHz
Signal-to-Noise Ratio	68dB(A-Weight)
Sensitivity	-43 dBV/Pa
Length of Microphone	480mm
Color	Black
Dimensions (W*H*D)	190 x 71 x 125 mm
Weight	1Kg

DIAGRAM DCS-800 SERIES



more...



WCM-440 Series UHF

Wireless Conference Microphones system



WCM-440 Series Wireless conference microphone 4 Channels. the technology for good sound quality flexibility performance frequency response and accurate sound reproduction for a wide variety of applications, such as Meeting Rooms, Public relations, Education institutions, to provide users with an exceptional performance features contemporary design element to enhanced convenience and consistent sound.

- 4 Channels. Adjustable frequency.
- IR automatic. 20 frequency points.
- Microphone can be used in every channel.
- 2 controllers can used simultaneously.
- LCD screens show working status on the receiver and emitter.
- AA 1.5V * 3 battery power supply, support 8 hours.

SPECIFICATIONS

WCM-440R Receiver	
Channel number	4
Oscillation Mode	PLL synthesized
Modulation Mode	FM
Frequency Range	UHF 803.2 ~ 805.8MHz
Frequency Stability	±0.001%
Max. Deviation Range	±50KHz
S/N Ratio	>90dB
T.H.D	<0.5%@1KHz
Sensitivity	1.2/UV@S/N=12dB
Power Supply	DC 12~17V
Gooseneck mic length	435mm
Audio Output	Independent: 0~400mV Mixed: 0~300mV

WCM-440D Transmitter	
Frequency Range	UHF 803.2 ~ 805.8MHz
Frequency response	40Hz~16KHz
Frequency stability	±0.001%
Sensitivity	-43 ±3dB@1KHz
Max. deviation Range	±30KHz
Dynamic range	≥ 100dB
Type	Condenser
Polar pattern	Ultra-Cardioid
S/N Ratio	>90dB
F/N Ratio	>80dB
Transmitter power	13mW
Power consumption	160mA
Power supply	DC 4.5V (1.5V AA*3)

more...



GMX-48TB

Desktop Gooseneck Microphone



GMX-48TB is Desktop gooseneck microphone the technology for good sound quality flexibility performance frequency response and accurate sound reproduction for a wide variety of applications, such as Meeting Rooms, Public relations, Education institutions, to provide users with an exceptional performance features contemporary design element to enhanced convenience and consistent sound.

- Desktop gooseneck microphone for good sound quality.
- Electret Polar pattern Unidirectional, Cardioid microphone and frequency response for accurate sound reproduction across the audio spectrum.
- Super anti-interference ability of mobile phones
- Balanced, output for increased immunity to electromagnetic hum interference.
- LED indicator Light display working status on the microphone.
- Suitable for Conferences, speeches, Meeting Rooms, Public relations, Education institutions etc.

SPECIFICATIONS

Type	Condenser
Frequency Response	20Hz - 18KHz
Directivity	Ultra-Cardioid
Output Impedance	200Ω
Sensitivity	-43dB ±3dB @1KHz
Sound-Receiving Distance	50-80cm
Power Supply	48V Phantom
Gooseneck length	480mm
Dimensions (W*H*D)	140 x 120 x 38mm

more...



DAP-8400

Digital Intelligent Audio Management Plus



DAP-8400 Digital Intelligent Audio Management Plus Amplifier
design by flexibility and complete 8 channels microphone input,
every 4 channels divide into Area A and Area B, two area
independently With ... Auto Mixer work / Mic Noise Canceling Auto Room Calibrate / Digital Feedback Suppression

AUTO
Mixer

M I C
Noise
Canceling

AUTO
Room
Calibrate

Digital
Feedback
Suppression

- Built in Acoustic Echo Cancellation (AEC) for Video Conference system,
- Built in USB port for recording audio and playback.

Acoustic
ECHO
Cancellation

For
Web
VDO
Conference

U S B
● REC
Play MP3

- Easy to control Volume output on panel and have indicators LED lighting display status of CLIP (Peak), SNG (Signal), PRO (Protection) and Bridge (Bridge Mode).
- Combo jacks (XLR/1/4"), RCA inputs provide flexibility.
- EQ Low / Mid / Hi adjusting Frequency of MIC / LINE.
- Each channel of microphone input has Volume GAIN and +48V phantom power switch to adjusting independent.
- Built in 4 channel power amplifier, stereo bridge transformation, can drive 4x150W at 4Ω, stereo and 2x300W at 8Ω, bridged,

SPECIFICATIONS

Power Supply	AC ~ 20V 50Hz		
Consumed Power	700W		
Frequency Response	20Hz ~ 20KHz		
THD	<0.05%@1KHz		
Input Impedance	MIC Input : 47KΩ,	Line Input	: 10KΩ
	Music Input: 10KΩ,	Remote Input	: 10KΩ
Output Impedance	Extend Output: 220Ω, Remote Output : 1KΩ REC Output : 1KΩ, Collect recording: 1KΩ		
Dimensions	430 x 400 x 88mm		
Net weight	15Kg		
Feedback			
Sampling Rate	32KHz		
Frequency Response	125Hz ~ 15KHz		
Distortion	<0.1%@1KHz		
SNR	>90dB		
Signal Delay	<11ms		
CMRR	25dB (50Hz ± 20kHz)		

Ambient noise elimination

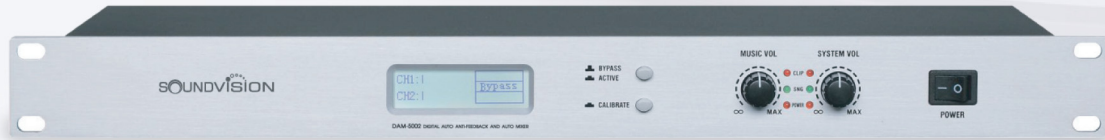
Frequency Response	10Hz-30KHz
Distortion + Noise	<0.2%@1KHz
Noise	<-90dBu
Dynamic Range	114dB
Limit Range	-80 to -20dBu
Noise Gate	<100us
Amplifier	
Frequency Response	20Hz - 20KHz ±0.5dB
THD	<0.05%@1KHz
SNR	>100dB
Power Consumption	700W
Rated output power	4 x 100W (8Ω STEREO) 4 x 150W (4Ω STEREO) 2 x 300W (8Ω BRIDGED)

more...



DAM-5002

Digital Auto Anti-Feedback Suppressor and Auto Mixer



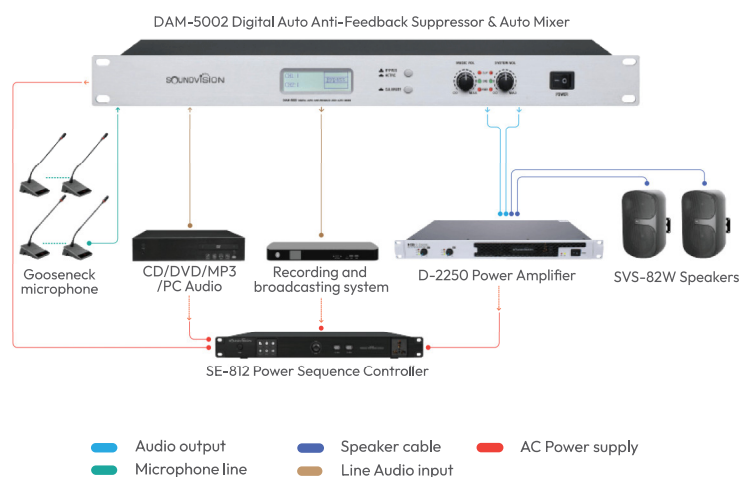
DAP-5002 This feedback destroyer system with functions of automatic detection ready the noise points, through the DSP system for noise filtering, a high-speed effective elimination of call, effectively improve the local loudspeaking pressure and clarity. The product is mainly for modern teaching, meeting, trial recording and remote conference call to special research and development.

- Professional digital feedback inhibition module, through / feedback mode can be Convertible, with a key to microphone calibration function.
- The panel is one key to control feedback inhibition, independent and dual channel level of indicator light.
- Professional frequency display, monitor of output level at a glance.
- Each channel of microphone has independent volume, and independent of 48V power supply.
- The balance input of 5 channels, Combo XLR/6.35 composite.
- Mic 1 to 4 with choose 4 or 1 automatic mixing function, also can through to choose 4 or 1 function (choose).
- Mic 5 with highest priority function, also can bypass the function.

SPECIFICATIONS

Power supply	AC ~ 220V , 50Hz
Consumed power	20W
Frequency response	20Hz ~ 20KHz
Sampling rate	32KHz
THD	<0.1% @1KHz
SNR	>90dB
Signal delay	<11ms
CMRR	>25dB (50Hz to 20KHz)
Input impedance	mic input : 47KΩ
	line input : 10KΩ
	music input : 10KΩ
Output impedance	main output : 220Ω
	line output : 1KΩ
	recording output : 1KΩ
Dimensions (W*D*H)	430 x 250 x 44 mm

DIAGRAM DAM-5002



more...



AEC-2000

Automatic Echo Canceller



AEC-2000 This equipment adopts the advanced DSP chip platform, Application of unique AMC Plus multiple model algorithm, It can handle without delay of up to 48K audio data sampling rate, Don't need to rely on computers and other equipment. With independent travel to distant voice and clear anechoic, maximize reserves the original sound.

- Unique of DSP circuit comparison algorithm, effectively eliminate echo quickly.
- Local audio input / output offered 6.35, RCA and 3.5 interface.
- The remote audio input / output offered 6.35, RCA and 3.5 interface.
- Local independent audio input / output volume adjustment.
- The remote audio input / output volume adjustment.

SPECIFICATIONS

Power supply	AC ~ 220V , 50Hz
Consumed power	20W
Frequency response	20Hz ~ 20KHz
Sampling rate	32KHz
THD	<0.1% @1KHz
SNR	>90dB
Signal delay	<11ms
CMRR	>25dB (50Hz to 20KHz)

Input impedance	mic input	: 47KΩ
	line input	: 10KΩ
	music input	: 10KΩ
Output impedance	main output	: 220Ω
	line output	: 1KΩ
	recording output	: 1KΩ
Dimensions (W*D*H)	430 x 250 x 44 mm	

DIAGRAM DAM-5002



- AC Power supply
- Audio output
- Audio input
- USB
- HDMI
- RS485 Control line
- Microphone line
- Line Audio input
- Speaker cable

more...



DMC-8800

Digital Matrix audio processor with AEC



The SOUNDEVISION DMC-8800 audio processor is a freely designed audio processing and control system. It adopts advanced DSP processing technology, has a new automatic mixing, Feedback elimination, etc., targeted to solve various practical problems in the application scene.

DMC-8800 system, can provide users with more intuitive operation experience and more intelligent audio processing experience, client support Windows, iOS, Android system.

SUPPORT ANALOG
8 INPUT
OUTPUT

DSP
HIGH
SPEED

CENTRAL
COMMAND SET
INTELLIGENT

CANCELLATION
FEEDBACK
ECHO / NOISE

HIGH QUALITY
RECORDING
PLAYBACK

SUPPORT
RS232 / RS485
CAMERA TRACKING

Support OS :



Works with :



SPECIFICATIONS

Model	DMC-8800
DSP Processing	456MHz
Number of analog channels	8 Input + 8 Output
Core Algorithm	Automatic mixing, Elimination : feedback, echo, noise
GPIO	8 (Including input and output)
RS232/RS485	1
RJ45 control interface	1
USB Port	1
RJ11 phone interface	0
DANTE network interface	0
Simulated maximum gain	51dB
Digitalizing bit	24bit
Sampling Rate	48k
Frequency Response	20-20KHz ± 0.2 dB
Analog-to-digital dynamic range	114dB (A-weighted)
Digital-to-analog dynamic range	120dB (A-weighted)
Input to output dynamic range	108dB
Total harmonic distortion + noise	<0.003% @1KHz ,4dBu
Floor noise (A- weighted)	-90dBu

Delay storage	2s
Analog input to output system delay	3ms
Input impedance (balance -type)	20K Ω
Output impedance (balance -type)	100 Ω
Maximum Input Level	+18dBu, balance
Maximum Output Level	+18dBu, balance
Equivalent input noise EIN	20-20kHz ≤ -131 dBu (A-weighted)
Phantom power (per input)	48V
Input common mode rejection	70dB @80Hz
Channel Isolation,	104dB @1kHz
Power Consumption	<40W
Operating Temperature	-10-70°C
Working Power Supply	AC 110V - 220V, 50Hz/60Hz
Dimensions (W x D x H)	482*258*45 mm
Weight	3Kgs

more...



VHSW-4681

HDMI Switcher 8 in / 1 out : 4K@60Hz



- Auto switch 8 HDMI sources to one 4K display.
- Support resolutions up to 4K@60Hz.
- Supports EDID management.
- HDCP2.2 compliant.
- Support front panel buttons, IR signals, RS232/IP commands to control HDMI switch.
- Support hot-plug connect or disconnect devices to the HDMI switch in any time and without turn off devices.
- Prevent display settings changed while switching input ports.
- Support auto switching to monitor computers in a specified time interval.
- Includes IR remote.

8 HDMI SWITCH
INPUT 1 OUTPUT

LAN
TCP/IP
communication

SUPPORT
RS232
communication

4K
RESOLUTIONS
UP TO.....
4K@60Hz

SUPPORT
EDID
management

SUPPORT
AUTO
SWITCHING

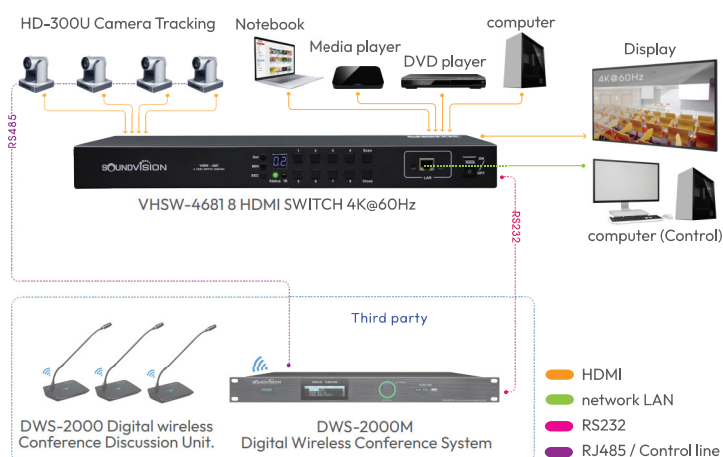
ESD
PROTECTION

IR
REMOTE
CONTROL

SPECIFICATIONS

Auto Scan	Yes
Port selection	Front panel buttons : Yes Keyboard hotkeys : No IR remote control : Yes Console commands : RS232 / IP
Technical	Technical
Max. Resolution	3840 x 2160@60Hz
Auto to get EDID	Yes
Data rate	18 Gbps
Auto scan interval	5~3600 Seconds
Beep Sound	On/Off
OSD	No
Console ports	RS232 : 1*3 Pins jack LAN (TCP/IP) : 1*RJ45 IR extension input : 1*AUX
Input	8 * HDMI Type A
Output	1 * HDMI Type A
ESD protection	Human body model – ±8kV (Airgap discharge)
General	General
Power supply	DC 12V
Dimensions (W*L*H)	150 x 440 x 44.5 mm
Weight	1800g

DIAGRAM DAM-5002



Support third party control:

DCS-990M / DCW-9900M / DCS-1000M / DCS-2000M / DWS-2000M

more...



KBD2020 IP

PTZ Camera Controller



- Supporting ONVIF, VISCA, Serial port VISCA, PELCO-D/P protocols etc.
- RJ45, RS422, RS232 control interfaces; Control up to 255 Cameras.
- Unique control code learning function allows customers to modify the control code instructions
- Any device on the RS485 bus can be individually configured with different protocols and baud rates.
- All camera parameters can be set through the button operation.
- Metal shell, silicone key design.
- LCD display, keypad sound prompt, real-time display decoder and matrix working status.
- 4D joystick allows variable speed control to cameras
- Maximum communication distance: 1200M (0.5MM) Twisted-Pair Cable

SPECIFICATIONS

Port	Network: RJ45. Serial Port: RS422, RS232
Protocol	Network: ONVIF, VISCA Serial Port: VISCA, PELCO-D, PELCO-P
Communication BPS	2400bps, 4800bps, 9600bps, 19200bps, 38400, 115200
Interface	5PIN, RS232, RJ45
Joystick	4D (up, down, left, right, zoom, lock)
Display	LCD Blue Screen
Prompt tone	ON/OFF
Power Supply	DC12V ±10%
Power Consumption	6W MAX
Working Temperature	-10°C ~ 50°C
Storage Temperature	-20°C ~ 70°C
Environment humidity	≤90%RH (non-dew)
Dimensions (W*H*L)	179.3 x 109.9 x 320 mm
Upgrade	WEB Upgrading



more...



HD-400U HD PTZ Camera Zoom 20X HDMI / USB Conference Camera



- [1080P Full HD](#) : Apply Panasonic's 1/2.7 inch, 2.07 million effective pixels high quality HD CMOS sensor, can reach maximum 1920 x 1080 high resolution and achieve quality image.
- [Ultra-high Frame Rate](#) : The output frame rate up to 60fps in 1080P, up to 120fps output in 720P (supported by network only), 640x480P can be as high as 240fps (supported by network only, optional).
- [20 x Optical + 16 x Digital Zoom](#) : Use TAMRON high quality super telephoto lens, support 20x optical zoom and 16x digital zoom
- [H.265 Support](#) : The first H.265 encoding support conference video camera in the world, enabling full HD 1080p / 60fps video stream by ultra-low bandwidth.
- [Support USB 3.0](#) : Ultra-high-speed interface, can transfer uncompressed original video, and downward compatible with USB2.0. USB3.0, HDMI, Network can output at the same time. It also supports CVBS interface
- [Microphone & AAC Audio Encoding](#) : Support external microphone, and audio line in input. Support AAC audio encoding, better sound quality and smaller bandwidth.
- [Low light](#) : High SNR of CMOS sensor combined with 2D and 3D noise reduction algorithm, effectively reduce the noise, even under low illumination conditions, picture can still keep clean and clear.
- [Remote Control](#) : Using RS232/RS485 interface, all the parameters of the camera can be remote controlled by the high-speed communications.

SPECIFICATIONS

Camera

Video System	HD : 1080p/60 , 1080p/50 , 1080i/60 , 1080i/50 , 1080p/30 , 1080p/25 , 720p/60 , 720p/50 , 720p/30 , 720p/25 SD : 480i , 576i
Image Sensor	1/2.7", CMOS , Effective Pixel: 2.07M
Zoom	Optical : 20X, Digital : 16X
Scanning Mode	Progressive
Lens	0.5 Lux @ (F1.8, AGC ON)
Shutter	1/30s ~ 1/10000s
White Balance	Auto, 3000K/Indoor, 4000K, 5000K/Outdoor, 6500K_1, 6500K_2, 6500K_3, One Push, Manual
Backlight Compensation	Support
Digital Noise Reduction	2D & 3D Digital Noise Reduction
Video S/N	≥ 55dB

PTZ

Pan	60.7° ~ 3.36° , 1.7° ~ 100°/s
Tilt	34.1° ~ 1.89° , 1.7° ~ 69.9°/s
Horizontal Rotation Range	±170°
Vertical Rotation Range	-30° ~ +90°
H & V Flip / Image Freeze	Support
Preset Number	255
Preset Accuracy	0.1°

USB

Operate System	Windows XP , Windows Vista, Windows 7, Windows 8, Windows 10, Mac OS X, Linux
Color System	YUV 4:2:2

USB Video

Communication Protocol	UVC 1.0, UVC 1.5
UVC PTZ	Support

Video Output

Video Format	USB3.0 : 1080p/60 , 1080p/50 , 1080p/30 , 1080p/25 , 720p/60 , 720p/50 , 720p/30 , 720p/25 USB : 960x540p/30 , 960x540p/25 , 640x360p/60 , 640x360p/50
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IPC Network

Video Compression	H.265 / H.264 / MJPEG
Mainstream	1920×1080 , 1280×720 , 1024×576
Sub Stream	720×576 , 720×480 , 320×240
Video Bit Rate	128Kbps ~ 8192Kbps
Bit Rate Type	Variable Rate, Fixed Rate
Frame Rate	50Hz: 1fps ~ 50fps , 60Hz: 1fps ~ 60fps , 720p120: 120fps , 640x480p240: 240fps
Audio Compression	AAC
Audio Bit Rate	96Kbps , 128Kbps , 256Kbps
Protocols	TCP/IP, HTTP, RTSP, RTMP, Onvif, DHCP, Multicast , etc.

Interface

HD Output	Interface
SD Output	HDMI 1.3
Network Interface	CVBS: 3.5mm , 1Vp-p, 75 Ω
Audio Interface	RJ45: 10M/100M
USB	1-ch: 3.5mm Audio Interface, Line In
Communication	USB3.0-Type B / USB2.0-Type A
Interface	RS232 / Protocol: VISCA/Pelco-D/Pelco-P , RS232 / Protocol: VISCA network use only RS485 / Protocol: VISCA/Pelco-D/Pelco-P

watch video



more...



HD-400T Auto Tracking, HD PTZ Camera Optical Zoom 20X Digital Zoom 12X



Tracking is based on industry-leading deep-learning technology to precisely detect and track lecturer, supporting IP control and preview, Auto Tracking PTZ Camera

Intelligent Tracking

- Smooth tracking performance, free from interference of other moving objects, even if the target turns around, stands still for a long time or other small gestures will not affect the tracking effect.
- Track lecturer all around the classroom, even if lecturer walks into student area;
- Auto adjust as per the height of lecturer.

Rich Interfaces

- Support HDMI, 3G – SDI, Ethernet, USB, up to 1080P 60 video output.
- 1 channel audio LINE IN, AAC compression.
- Auto Tracking PTZ Camera IP Implementation
- H.265 / H.264 video compression.
- Support dual stream.
- Network Interface POE Supported.

SPECIFICATIONS

Camera

Image Sensor	1/2.8" CMOS, 2.14MP
Focal Lens	f=4.7 – 94.0mm
Zoom	Optical: 20X, Digital: 12X
Iris	F1.6 – F3.5
FOV	Horizontal 59.5° – 2.9°
Focus System	Auto–Manual, PTZ Trigger, OnePush Trigger
Shutter Speed	1/1S – 1/10,000s
Gain	Auto, Manual
White Balance	Auto, Indoor, Outdoor, One Push, Manual, Auto Tracking
Exposure Control	Auto, Manual, Shutter Priority, Iris Priority
S/N	≥ 55dB

Video Output

Video Format	1080P 60/50/30/25 , 1080I 60/50 , 720P 60/50
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General Specifications

Protocols	VISCA, PELCO-P, PELCO-D
Address	VISCA (1~7), PELCO-D/P (0~255)
Power	DC12V
Power Consumption	<15W
Operating Temperature	0°C ~ +40°C
Storage Temperature	-20°C ~ +60°C
Operating Humidity	10% RH ~ 90% RH
Dimensions (W*H*D)	176 ×169 x 136 mm
Weight	1KG

PTZ

Pan	- 170° ~ +170°, 0.2°/s ~ 120°/s
Tilt	- 30° ~ +90°, 0.2°/s ~ 60°/s
Preset Number	256

USB

USB Interface	USB2.0 Type-B
UVC	Support
Video Interface	H.264/MJPEG
Image Size	1920×1080, 1280×720, 640×360

Network

Max Image Size	1920×1080@60fps
Image Compression	H.265/H.264
Audio Compression	AAC
Protocols	ONVIF, RTSP, RTMP, HTTP, TCP, UDP
Dual Stream	Support

Interface

Video Interface	HDMI 1.4 / 3G-SDI
Network Interface	RJ45 (100M) interface, POE
Control Interface	RS-485 / RS-232

watch video



more...



VC-100HU HD Video conference PTZ camera Optical Zoom 10X / Digital Zoom 16X



SOUNDVISION VC-Series conference camera offers perfect functions, superior performance. The features include advanced processing algorithms to provide vivid images with a strong sense of depth, high resolution, and fantastic color rendition. Working stably and reliably easy and convenient to install and maintain.

- [1080P Full HD](#) : High quality HD CMOS sensor with 2.07 million effective pixels can achieve high quality image with maximum 1920×1080 resolution.
- [Full-function USB interface](#) : USB2.0 interface, support coding output.
- [Low light](#) : High SNR of CMOS sensor combined with 2D and 3D noise reduction algorithm, effectively reduce the noise, even under low illumination conditions, picture can keep still clean and clear.
- [H.264 Slice](#) : The output h.264-bit stream supports Slice and SVC encoding mode and is suitable for high-end USB conference video applications.
- [Remote Control](#) : Using RS232/485 interface, all the parameters of the camera can be remote controlled by the high-speed communications.
- [Double stream](#) : Support external microphone, and audio line in input. Support AAC audio encoding, better sound quality and smaller bandwidth.

SPECIFICATIONS

Camera

Video System	1080P, 720P, 540P, 480P, 360P, 240P etc. according to different resolution for different color space/compression modes.
Sensor	1/2.7", CMOS, Effective Pixel: 2.07M
Scanning Mode	Progressive
Lens	10x, f4.7mm ~ 46.3mm, F1.8 ~ F2.8
Minimal Illumination	0.5Lux @ (F1.8, AGC ON)
Shutter	1/30s ~ 1/10000s
White Balance	Auto, 3000K / Indoor, 4000K, 5000K / Outdoor, 6500K _1, 6500K _2, 6500K _3, One Push, Manual
Backlight Compensation	Support
Digital Noise Reduction	2D & 3D Digital Noise Reduction
Video S/N	≥ 55dB
Horizontal Angle of View	58.5° ~ 6.5°
Vertical Angle of View	35.1° ~ 3.6°
Horizontal Rotation Range	±170°
Vertical Rotation Range	-30° ~ +90°
Pan Speed Range	2.7° ~ 47°/s
Tilt Speed Range	3.4° ~ 30°/s
H & V Flip	Support
Image Freeze	Support
Number of Preset	255
Preset Accuracy	0.1°

USB Feature

Operate System	Windows 7, Windows 8, Windows 10, Mac OS X, Linux, Android
Color System / Compression	YUY2 / MJPEG / H.264
Video Format	H.264 AVC: max to 1080P@30fps MJPEG: max to 1080P@30fps
USB Video Communication Protocol	UVC 1.1
UVC PTZ	Support

Input / Output Interface

USB Interface	1 x USB2.0: Type B female jack
Communication Interface	1 x RS232 In: 8pin Min DIN, Max Distance: 30m, Protocol: VISCA/Pelco-D/Pelco-P
Power Jack	JEITA type (DC IN 12V) / USB B type (DC IN 5V)

General

Input Voltage	DC 12V
Current Consumption	0.5A (Max)
Operating Temperature	-10 ~ 40°C
Storage Temperature	-40 ~ 60°C
Power Consumption	6W (Max)
MTBF	>30000h
Dimensions (W x D x H)	141.3 * 153 * 163.6 mm
Net Weight	1.153Kg

watch video



more...





VC-4K Pro (120°)

4K Ultra HD Ai Smart Auto Framing ePTZ digital zoom.



SOUNDVISION VC-Series conference camera offers perfect functions, superior performance. The features include advanced processing algorithms to provide vivid images with a strong sense of depth, high resolution, and fantastic color rendition. Working stably and reliably easy and convenient to install and maintain.

- [Ultra 4K HD](#) : Support 4K Ultra HD with super resolution up to 4K@30fps/25fps encoding output, and down compatible with 1080p, 720p., supporting 8X digital zoom function.
- [USB 3.0](#) : Full functional USB, 3.0 connection, power supply, video, and audio all in one and support 2 streaming USB video signal and one audio source.
- [Light illumination](#) : Star-level ultra-high noise ratio of the new CMOS image sensor can effectively reduce the low noise in the case of image noise, while the application of 2D and 3D noise reduction algorithm, significantly reducing the image noise, even under low light conditions, keep still the picture Clean and clear, the image signal to noise ratio up to 55dB or more.
- [Ai Feature](#) : Ai smart Auto framing.
- [Ultra-Wide-Angle Lens](#) : Non-distortion lens, Ultra-wide view angle up to 120°, small lens with big view, supporting EPTZ.
- [WDR](#) : Support WDR, can handle different lighting environment.
- [Built in Microphone](#) : Built in microphone array, omnidirectional pickup, pickup distance up to 12 meters, noise suppressing algorithm with excellent sound.
- [Easy Installation](#) : Equipped with damping rotary shaft bracket, to meet the market almost 100% of the display, easy to install, stable and reliable.

SPECIFICATIONS

Camera

Sensor	1/2.5", CMOS, Effective Pixel: 8.51M
Scanning Mode	Progressive
Lens Mount	M12
Lens	Focus: f=2.8mm, FOV: 120°
Minimal Illumination	0.05 Lux @ (F1.8, AGC ON)
Shutter	1/30s ~ 1/10000s
White Balance	Auto, Indoor, Outdoor, One Push, Manual
Camera bracket	Bracket with damper
Digital Noise Reduction	2D, 3D digital noise reduction
Backlight Compensation	Support

USB Feature

Operate System	Windows® 7 (1080P and under only), Windows 8.1, Windows 10 or higher macOS™ 10.10 or higher Google™ Chromebook™ Version 29.0.1547.70 or higher Linux
Hardware Requirement	2.4 GHz Intel® Core 2 Duo processor or higher;2 GB RAM or higher USB 2.0 interface
Color space / compression	H.265 / H.264 / MJPEG
Video resolution	4k@30fps/25fps, 1080p@60fps/50fps/ 30fps/25fps, 720p@60fps/50fps/30fps/25fps , 960x540p@60fps/50fps/30fps/25fps, 640x360p@60fps/50fps/30fps/25fps
USB Video Communication Protocol	UVC 1.0 ~ UVC 1.5
UVC PTZ	Support (EPTZ)

Input / Output Interface

USB Interface	1 x USB 3.0: Type B, female
HDMI Interface	1 x HDMI: Version 1.4
Audio Interface	1 x 3.5mm Audio Jack: Line In

General

Input Voltage	5V (USB power supply)
Current Consumption	600mA
Operating Temperature	-10°C ~ 40°C
Storage Temperature	-40°C ~ 60°C
Power Consumption	3W
Dimensions (W x D x H)	194 * 34 * 42 mm
Net Weight	0.5kg



watch video



more...





VC-4K Pro (84°)

4K Ultra HD Auto Focus Lens, Auto Framing,
Auto Tracking, ePTZ Digital Zoom



SOUNDVISION VC-Series conference camera offers perfect functions, superior performance. The features include advanced processing algorithms to provide vivid images with a strong sense of depth, high resolution, and fantastic color rendition. Working stably and reliably easy and convenient to install and maintain.

- [Ultra 4K HD](#) : Support 4K Ultra HD with super resolution up to 4K@30fps/25fps encoding output, and down compatible with 1080p, 720p.,supporting 8X digital zoom function.
- [USB 3.0](#) : Full functional USB, 3.0 connection, power supply, video, and audio all in one and support 2 streaming USB video signal and one audio source.
- [Light illumination](#) : Star-level ultra-high noise ratio of the new CMOS image sensor can effectively reduce the low noise in the case of image noise, while the application of 2D and 3D noise reduction algorithm, significantly reducing the image noise, even under low light conditions, keep still the picture Clean and clear, the image signal to noise ratio up to 55dB or more.
- [Ai Feature](#) : Auto framing, Auto tracking, Auto focus.
- [Wide-Angle Lens](#) : Auto focus non-distortion lens, wide view angle 84° supporting EPTZ.
- [WDR](#) : Support WDR, can handle different lighting environment.
- [Built in Microphone](#) : Built in microphone array, omnidirectional pickup, pickup distance up to 12 meters, noise suppressing algorithm with excellent sound.
- [Easy Installation](#) : Equipped with damping rotary shaft bracket, to meet the market almost 100% of the display, easy to install, stable and reliable.

SPECIFICATIONS

Camera

Sensor	1/2.5", CMOS, Effective Pixel: 8.51M
Scanning Mode	Progressive
Lens Mount	M12
Lens	Focus: f=3.5mm, FOV: 84°
Autofocus	Support (84°)
Minimal Illumination	0.05 Lux @ (F1.8, AGC ON)
Shutter	1/30s ~ 1/10000s
White Balance	Auto, Indoor, Outdoor, One Push, Manual
Camera bracket	Bracket with damper
Digital Noise Reduction	2D, 3D digital noise reduction
Backlight Compensation	Support

USB Feature

Operate System	Windows® 7 (1080P and under only), Windows 8.1, Windows 10 or higher macOS™ 10.10 or higher Google™ Chromebook™ Version 29.0.1547.70 or higher Linux
Hardware Requirement	2.4 GHz Intel® Core 2 Duo processor or higher; 2 GB RAM or higher USB 2.0 interface
Color space / compression	H.265 / H.264 / MJPEG
Video resolution	4k@30fps/25fps, 1080p@60fps/50fps/ 30fps/25fps, 720p@60fps/50fps/30fps/ 25fps , 960x540p@60fps/50fps/30fps/25fps, 640x360p@60fps/50fps/30fps/25fps
USB Video Communication Protocol	UVC 1.0 ~ UVC 1.5
UVC PTZ	Support (EPTZ)

Input / Output Interface

USB Interface	1 x USB 3.0: Type B, female
HDMI Interface	1 x HDMI: Version 1.4
Audio Interface	1 x 3.5mm Audio Jack: Line In

General

Input Voltage	5V (USB power supply)
Current Consumption	600mA
Operating Temperature	-10°C ~ 40°C
Storage Temperature	-40°C ~ 60°C
Power Consumption	3W
Dimensions (W x D x H)	194 * 34 * 42 mm
Net Weight	0.5kg



watch video



more...



VC-4Kmini

4K Ultra HD USB Auto Framing ,
Auto Tracking, ePTZ Digital Zoom



SOUNDVISION VC-Series conference camera offers perfect functions, superior performance. The features include advanced processing algorithms to provide vivid images with a strong sense of depth, high resolution, and fantastic color rendition. Working stably and reliably easy and convenient to install and maintain.

- [Ultra-high definition and ultra-large field](#) : of view Equipped with a new generation of UHD CMOS image sensor, it has more accurate native resolution, richer color information, four times the effect of HD image, and shoots 4K video with full details. With a 110-degree ultra-large Angle and low distortion 4K lens, the panoramic view is unobtrusive.
- [USB 3.0](#) : Full-function USB 3.0 interface, power supply, video, audio in one, can also support 2 USB video signal source (optional) +1 channel audio source at the same time.
- [The wave speed forms a microphone array](#) : Built-in beamforming microphone array, unique noise suppression algorithm and automatic gain algorithm, pick up distance up to 6 meters, make your speech perfect presentation.
- [Ai ability](#) : Multi-layer convolutional neural network design, cutting-edge deep learning algorithms, enabling intelligent features of the camera, high quality analysis data can be accessed through open APIs.
- [Auto Framing](#) : The advanced deep learning algorithm is adopted to automatically adjust the size of the picture Angle according to the people in the detection field of vision, eliminating the need for manual adjustment of camera operation, bringing you a new intelligent experience.
- [Ai humanoid tracking](#) : Embedded NNE hardware unit, using deep learning technology, through the extraction of target features, no matter where the face is facing, can achieve smooth humanoid tracking, suitable for automatic speaker tracking and other application scenarios.
- [Convenient operation](#) : With exquisite infrared remote control and exclusive software, automatic box selection and humanoid tracking can be started with one button, and preset position, EPTZ, image parameters can be set at the same time.

SPECIFICATIONS

Camera

Sensor	1/2.7", CMOS, Effective Pixel: 8.29M
Scanning Mode	Progressive
Lens Mount	M12
Lens	Focus: f=2.2mm, FOV: 110°
Minimal Illumination	0.5Lux @ (F1.8, AGC ON)
Shutter	1/30s ~ 1/10000s
White Balance	Auto, Indoor, Outdoor, One Push, Manual
Camera bracket	bracket with damper
Privacy masking	Support
Digital Noise Reduction	2D&3D digital noise reduction
Backlight Compensation	Support
Digital zoom	4X

USB Feature

Operate System	Windows® 7 (1080p and under only), Windows 8.1, Windows 10 or higher; macOS™ 10.10 or higher; Google™ Chromebook™ Version 29.0.1547.70 or higher; Linux (support UVC)
Hardware Requirements	2.4 GHz Intel® Core 2 Duo processor or higher 2 GB RAM or more USB 2.0 port (4K requires USB 3.0)
Color System / Compression	H.264 / MJPEG / YUY2 / NV12
Video Format	4k@30fps/25fps, 1080p@30fps/25fps, 720p@30fps/25fps, 960x540p@30fps/ 25fps, 640x360p@30fps/25fps etc
USB Video Communication	UVC 1.1
UAC	Support
UVC ePTZ	Support (ePTZ)

Input / Output Interface

USB Interface	1xUSB 3.0: Type C
IR remote	Support

General

Input Voltage	5V (USB power supply)
Current Input	600mA (MAX)
Operating Temperature	-10°C ~ 40°C
Storage Temperature	-40°C ~ 60°C
Power Consumption	3.0W (MAX)
Dimensions (W x D x H)	118 * 37.2 * 30.8 mm
Net Weight	93g
MTBF	30000h

watch video



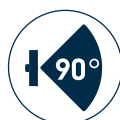
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VC-ONE

1080 Wide Field USB Camera



SOUNDVISION VC-Series conference camera offers perfect functions, superior performance. The features include advanced processing algorithms to provide vivid images with a strong sense of depth, high resolution, and fantastic color rendition. Working stably and reliably easy and convenient to install and maintain.

- [1080P full HD](#) : wide angle, no distortion Support 1080P high definition, maximum can provide 1080@30fps/25fps image encoding output, and backward compatible with 720p and other resolutions. Wide field of view, the maximum horizontal field of view can reach 90°. Two lenses are available, 90°/90° (with AF).
- [Electronic PTZ](#) : There is no need for mechanical rotating devices to achieve a more accurate rotation, no noise, more reliable and durable pan-tilt function, while supporting 4X digital zoom function.
- [Audio](#) : The built – in microphone array can pick up omnidirectionally, and the pickup distance is up to 6 meters. The unique noise suppression and AGC algorithm make your voice perfect.
- [USB 2.0](#) : Full-featured USB 2.0 interface, power supply, video, and audio in one. Built-in physical privacy shield Equipped with an integrated sliding privacy cover to ensure privacy.
- [Dual stream \(optional\)](#) : Simultaneously support two streams of output (YUY2, MJPEG, H.264, any two) to reduce the pressure of host encoding and decoding. (The second channel only supports H.264)
- [Low illumination](#) : The new CMOS image sensor with starlight level ultra-high performance-to-noise ratio can effectively reduce image noise under low illumination conditions, while applying 2D and 3D noise reduction algorithms to greatly reduce image noise, even under ultra-low illumination conditions, still maintaining the picture It is clean and clear, and the image signal-to-noise ratio is up to 55dB or more.
- [Easy Installation](#) : Equipped with damping rotary shaft bracket, to meet the market almost 100% of the display, easy to install, stable and reliable.

SPECIFICATIONS

Camera

Sensor	1/2.7", CMOS, Effective Pixel: 2.07M
Scanning Mode	Progressive
Lens Mount	M12
Lens	Focus: f=2.8mm, HFOV: 90°
Minimal Illumination	0.5Lux @ (F1.8, AGC ON)
Shutter	1/30s ~ 1/10000s
White Balance	Auto, Manual , VAR
Camera bracket	bracket with damper
Privacy masking	Support
Digital Noise Reduction	2D&3D digital noise reduction
Backlight Compensation	Support
Digital zoom	4X

USB Feature

Operate System	Windows® 7 (1080p and under only), Windows 8.1, Windows 10 or higher; macOS™ Google™ Chromebook™ Version 29.0.1547.70 or higher; 10.10 or higher; Linux
Hardware Requirements	2.4 GHz Intel® Core 2 Duo processor or higher 2 GB RAM or more USB 2.0 port
Color System / Compression	YUY2 / H.264 / MJPEG
Video Format	1080p@30fps/25fps , 720p@30fps/25fps , 960x540p@30fps/25fps, 640x360p@30fps/25fps
USB Video Communication	UVC 1.1
UAC	Support
UVC ePTZ	Support (ePTZ)

Input / Output Interface

USB Interface	1xUSB 2.0: Type A
---------------	-------------------

General

Input Voltage	5V (USB power supply)
Current Input	200mA
Operating Temperature	0°C ~ 40°C (32°F ~ 104°F)
Storage Temperature	-40°C ~ 60°C (-40°F ~ 140°F)
Power Consumption	1W
Dimensions (W x D x H)	103mm * 27mm * 30mm
Net Weight	153g
MTBF	30000h



watch video



more...





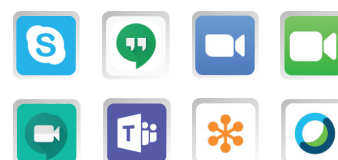
SVC-300

Conference Speakerphone 360°

SVC-300 is a smart wireless conference speakerphone. This product can connect with pc, tablet, and smartphone via wireless or USB cable. And the speakerphone is a 360° omnidirectional microphones with high quality speaker, it can receive voice all round in a long distance. It is small and portable, 4000mAh battery more than 18 hours of battery life. Convenient for both fixed and mobile office.

- 6 omnidirectional pickup microphones, the most suitable pickup distance within 5 meters.
- Support daisy chain, suitable for larger meeting rooms, meeting with more people.
- The perfect echo cancellation function allows you to hear more clearly.
- It is perfectly compatible with a variety of business chat software to make your business easier.
- Support for Skype , Google Hangouts , Zoom, Face time , Google Meet , Microsoft teams, GoToMeeting , Cisco Webex etc.
- Support multiple connection methods, Type-C, AUX, Bluetooth, Dongle
- Built-in 4000mAh rechargeable battery, continuous working time is up to 18 hours or more.

Support OS :



SPECIFICATIONS

Microphones	6 Mics, Omni-directional
Speaker	3W, Dynamic, 40mm, FR: 200-10Khz
Wireless range	up to 10m (30ft), Class2
Wireless version	5.0, compatible with 4.2/4.1/4.0/3.0/2.1
Paired devices	up to 8 trusted devices
Talk time	up to 18H
Operating temperature	5°C to 40°C (41°F to 104°F)
Storage temperature	5°C to 60°C (23°F to 140°F)
Wireless audio bandwidth	A2DP, Wide band
Connectivity	USB 2.0 and Wireless connection
Type C port	Charging and data connection
Daisy chain port	Daisy chain mode
Dimensions (D*H)	130mm x 38.2mm
Weight	280g

watch video

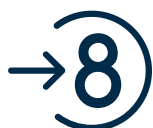


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SE-812

Professional Power Sequence Controller



8 channels output, delay time of booting up and shutting down of each channel can be set.



USB port for charging 5V=500mA for charging smartphone, power bank.



Can access touch with small pen on display TFT LCD 2.2 inches touch screen.

SE-812 Professional Power Sequence Controller is a powerful and intelligent time sequence controller, designed specifically for pro-audio system. The device can boot up and shut down different kinds of devices by sequence, avoiding system damage causing by current surge of error operation and switchgear moment. It's very easy and convenient to use the multifunctional device with TFT touch screen shows the operating states.

- Equipped with a TFT-LCD 2.2-inches touch screen, shows the current voltage, date, time, state of each channel (on/off).
- 8 channels output, delay time of booting up and shutting down of each channel can be set (range: 0~999sec).
- Users can boot up / shut down each channel independently.
- A clock chip is build-in for users to set the date and time to boot up / shut down each channel.
- Users can set the value of under-voltage / over-voltage protection.
- Users can operate the device by cascading, external controlling or central controlling via RS232 and RS485 ports.
- Total rated output current: 40A. Individual channel rated output current: 13A

SPECIFICATIONS

Model	SE-812
Supply voltage	AC 100V~240V, 50~60Hz
Individual channel rated output current	13A
Total rated output current	40A
Interval time of each sequence step	1~999s
USB power supply	DC 5V/ 500mA
Power output sockets	8 controllable outputs, 1 auxiliary output
Dimensions (W*L*H)	480 x 225 x 47 mm

more...



A man in a dark suit and a woman in a light-colored blazer are standing in front of an audience. The man is holding a microphone and gesturing, while the woman is holding a tablet and a microphone. They are in a modern, well-lit room with large windows in the background.

SOUND CONTENTS

45

SU-990D SERIES

Digital Wireless
Microphones 180CH

47

SU-890D-II SERIES

Digital Wireless
Microphones 156CH

48

SU-850DG

Digital Wireless
Microphones 190CH

49

SU-850DA

Digital Wireless
Microphones 168CH

50

SU-820D

UHF Wireless
Microphones 48CH

51

DW-240D SERIES

2.4GHz Digital Wireless
Microphone Systems

Certifications : **CE** and **RoHS**

Wireless Microphones conforms to standard **NBTC** | ETSI EN 300 422-1, 301 489-9, EN 62479, IEC 60950-1



SOUND CONTENTS

52

DM-89

Professional
Dynamic Microphone

53

DKA-SERIES

Professional
Karaoke Amplifier

55

D-SERIES

Professional
Digital Power Amplifier

57

SA-60WiFi

Professional
Mixing Amplifier

58

SA-SERIES (BT)

Professional
Mixing Amplifiers

SU-990D Series

Digital Wireless Microphones 180CH



SU-990D/BT
(Dual Body-Pack Transmitter)



694.4 TO 757.7 MHz

UHF 694.4 ~ 702.7 MHz ;
UHF 748.3 ~ 757.7 MHz

CH:180
channels

Available Channels 180CH
CH-A : 20Group (85Channels),
CH-B : 20Group (95Channels).

30Hz~20kHz
±2dB

Frequency Response
30Hz ~ 20kHz ±2dB

Up To 120M

Up To 120 Meters
Line-of-Sight Range.

4
antenna

True diversity system
with 4 antennas

9EQ
Preset

Equalizer 9 Preset
0dB, ±3dB

AUTO
Frequency
Scanning

Auto frequency scanning
spectrum display

AUTO MUTE
Falling Down
or Laid Down

Auto Mute system When
Falling Down or Laid Down

- Unique digital 16 bits ID pilot technology, no crosstalk disturbance even same frequency.
- IR sync downloading the frequency from receiver.
- Wireless system adopts Intelligentized cryptographic hardware.
- TFT display to indicate frequency AF / RF signal, battery level, Group, Channel and Menu Settings.
- Equalizer 9 Presets : 0, ±3dB (Flat / low shelf cut / high shelf cut / high shelf boost / low shelf boost)
- An efficient battery energy design that allows the microphone to be used continuously for longer periods of time.
- Ideal for large and small stages, clubs music entertainment, conference, meeting, training, speeches and karaoke etc.

SPECIFICATIONS

SYSTEM

Carrier Frequency	UHF 694.4 ~ 702.7 , 748.3 ~ 757.7MHz
Available Channels	180CH CH-A : 20Group (85CH) , CH-B : 20Group (95CH)
Bandwidth	17.9MHz
Dynamic Range	96dB
Total Harmonic Distortion	<0.1%
Frequency Response	30Hz ~ 20kHz ±2dB
Demodulation Mode	DQPSK
Sampling Rate	48 KHz
Audio Output Level	1 x 6.3mm, 1 x XLR balance output

SU-990R : RECEIVER

Frequency Response	30Hz ~ 20kHz ±2dB
Power Supply	DC 12V-18V 1A
Consumption Power	4 Watts
Signal/Noise Ratio	96dB
Receiving Sensitivity	-95dBm

TRANSMITTER

Carrier Frequency	UHF 694.4 ~ 702.7 , 748.3 ~ 757.7MHz
- Frequency range Group A	694.4 ~ 702.7 MHz ;
- Frequency range Group B	748.3 ~ 757.7 MHz
Available Channels	180CH
- Channels A : 20Group	85CH
- Channels B : 20Group	95CH
Bandwidth	17.9 MHz
Frequency Switch	IR SYNC

SU-990HT : HANDHELD TRANSMITTER

Microphone Type	Dynamic
Polar Pattern	Cardioid Directional
Frequency Response	50Hz - 18kHz ±3dB
Impedance	600Ω ±30% @1kHz
Sensitivity	-60dB ±3dB (0dB=1V/Pa @1kHz)
Output Power	10mW / 30mW
Harmonic Radiation	<-50dBc
Battery Voltage	3V (2 x 1.5V AA Battery)
Battery Life (Alkaline Type)	approx 8 hours

SU-990BT : BODYPACK TRANSMITTER

Output Power	10mW / 30mW
Harmonic Radiation	<-50dBc
Battery Voltage	3V (2 x 1.5V AA Battery)
Battery Life (Alkaline Type)	approx 8 hours

LAVALIER (LV-X) | HEADWORN (HW-X)

Microphone Type	Condenser
Frequency Response	20Hz - 20kHz
Impedance	32Ω ±15%
Sensitivity	-38 ±2dB @1kHz; 1mW
Distortion	1% @ 1KHz
Connect	Mini XLR 4-Pin

more...



SU-890D-II Series

Digital Wireless Microphones 156CH

SU-890D-II/BT (LV-X)



SU-890D-II/BT (HW-X)



694.5 TO
702.7 MHz

UHF 694.5 ~ 702.7MHz
(Brand for Thailand Regulation)

30Hz~20kHz
±2dB

Frequency Response
30Hz ~ 20kHz ±2dB

CH:156
channels

Available Channels
156CH (2*78CH)

Up To
100M

Up To 100 Meters
Line-of-Sight Range.

AUTO MUTE
Falling Down
or Laid Down

Auto Mute system When
Falling Down or Laid Down

AUTO
Frequency
Scanning

Auto frequency scanning
spectrum display

- Wireless System Adopts Intelligentized Cryptographic Hardware.
- IR Sync Downloading the Frequency from Receiver.

- Status of Frequency AF And RF Signal Etc.
- Colorful TFT LCD Display and Menu Settings.

SPECIFICATIONS

SYSTEM

Carrier Frequency	UHF 694.5 ~ 702.7MHz
Available Channels	156CH (2*78CH)
Bandwidth	200KHz
Dynamic Range	90dB
Total Harmonic Distortion	<0.5%
Frequency Response	30Hz ~ 20kHz ±2dB
Audio Output Level	1 x 6.3mm, 2 x XLR balance output

SU-890DR : DUAL RECEIVER

Frequency Response	30Hz - 20kHz
Power Supply	DC 12V-18V 1A
Consumption Power	3Watts
Signal/Noise Ratio	90dB
Receiving Sensitivity	-95dBm

SU-890 : TRANSMITTER

Carrier Frequency	UHF 694.5 ~ 702.7MHz
Bandwidth	200KHz
Frequency Response	50Hz - 20kHz
Frequency Switch	IR SYNC
Microphone Type	Dynamic
Polar Pattern	Cardioid Directional
Output Power	≤ 30mW
Harmonic Radiation	< -50dBc
Battery Voltage	3V (2 x 1.5V AA Battery)
Battery Life	approx 8 hours

LAVALIER (LV-X) | HEADWORN (HW-X)

Frequency Response	20Hz - 20kHz
Microphone Type	Condenser
Impedance	32Ω ±15%
Sensitivity	-38± 2dB @1KHz; 1mW
Distortion	1% @ 1KHz
Connect	XLR3.5-3P



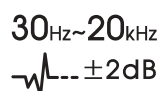
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SU-850DG

Digital Wireless Microphones 190CH



UHF 748.3 ~ 757.7MHz
(Brand for Thailand Regulation)



Frequency Response
30Hz ~ 20kHz ±2dB



Available Channels
190CH (2*95CH)



Up To 100 Meters
Line-of-Sight Range.



Auto Mute system When
Falling Down or Laid Down



Charge handheld
microphone by receiver.

- TFT display to indicate frequency, battery level, volume level, Channel and Menu Settings. / OLED Display for handheld microphones.
- Unique digital 16 bits ID pilot technology, no crosstalk disturbance even same frequency.
- IR sync downloading the frequency from receiver.
- Wireless system adopts Intelligentized cryptographic hardware.
- An efficient battery energy design that allows the microphone to be used continuously for longer periods of time.

SPECIFICATIONS

SYSTEM

Carrier Frequency	UHF 748.3 ~ 757.7MHz
Available Channels	190 CH (2 x 95CH)
Bandwidth	9.5 MHz
Dynamic Range	96dB
Total Harmonic Distortion	<0.3%
Frequency Response	30Hz ~ 20kHz ±2dB
Demodulation Mode	DQPSK
Sampling Rate	48 KHz
Audio Output Level	1 x 6.3mm, 2 x XLR balance output

RECEIVER

Frequency Response	30Hz ~ 20kHz ±2dB
Power Supply	DC 12V-18V 1A
Consumption Power	2 Watts
Signal/Noise Ratio	96dB
Receiving Sensitivity	-95dBm

HANDHELD TRANSMITTER

Carrier frequency	UHF 748.3 ~ 757.7MHz
Available channels	190 CH (2 x 95CH)
Bandwidth	9.5 MHz
Frequency switch	IR SYNC
Microphone type	Dynamic
Polar pattern	Cardioid Directional
Frequency response	50Hz - 15kHz ±5dB
Impedance	580Ω ±15% @1kHz
Sensitivity	-52dB ±2dB (0dB=1V/Pa @1kHz)
Output power	5mW / 20mW
Harmonic radiation	<-50dBc
Battery	18500 Lithium battery (1500mAh) (USB Charger)
Battery life	approx 10 hours



more...

SU-850DA

Digital Wireless Microphones 168CH



694.4 TO
702.7 MHz

UHF 694.4 ~ 702.7MHz
(Brand for Thailand Regulation)

30Hz~20kHz
±2dB

Frequency Response
30Hz ~ 20kHz ±2dB

CH:168
channels

Available Channels
168CH (2*84CH)

Up To
60M

Up To 60 Meters
Line-of-Sight Range.

AUTO MUTE
Falling Down
or Laid Down

Auto Mute system When
Falling Down or Laid Down

- TFT display to indicate frequency, battery level, volume level, Channel and Menu Settings.
- AF / RF signal indicator LED light on receiver.
- Unique digital 16 bits ID pilot technology, no crosstalk disturbance even same frequency.
- IR sync downloading the frequency from receiver.
- Wireless system adopts Intelligentized cryptographic hardware.

SPECIFICATIONS

SYSTEM

Carrier Frequency	UHF 694.4 ~ 702.7MHz
Available Channels	168CH (2 x 84CH)
Bandwidth	8.3MHz
Dynamic Range	96dB
Total Harmonic Distortion	<0.1%
Frequency Response	30Hz ~ 20kHz ±2dB
Demodulation Mode	DQPSK
Sampling Rate	48 KHz
Audio Output Level	1 x 6.3mm, 2 x XLR balance output

RECEIVER

Frequency Response	30Hz ~ 20kHz ±2dB
Power Supply	DC 12V-18V 1A
Consumption Power	2 Watts
Signal/Noise Ratio	96dB
Receiving Sensitivity	-95dBm

HANDHELD TRANSMITTER

Carrier frequency	UHF 694.4 ~ 702.7MHz
Available channels	168CH (2 x 84CH)
Bandwidth	8.3MHz
Frequency switch	IR SYNC
Microphone type	Dynamic
Polar pattern	Cardioid Directional
Frequency response	50Hz - 15kHz ±5dB
Impedance	580Ω ±15% @1kHz
Sensitivity	-52dB ±2dB (0dB=1V/Pa @1kHz)
Output power	10mW
Harmonic radiation	<-50dBc
Battery	3V (2 x 1.5V AA Battery)
Battery life	approx. 8 hours (Alkaline Type)



more...

SU-820D Series

UHF Wireless Microphones 48CH



697.3^{TO}
702.7^{MHZ}

UHF 697.3 ~ 702.7MHz
(Brand for Thailand Regulation)

30Hz~20kHz
±2dB

Frequency Response
30Hz ~ 20kHz ±2dB

CH:48
channels

Available Channels
48CH (2*24CH)

Up To
50M

Up To 50 Meters
Line-of-Sight Range.

- IR Sync Downloading the Frequency from Receiver.
- The transmitter uses LCD display to indicate frequency and battery level and so on.
- The superior RF performance and the audio performance the professional.
- Single-chip microphone amplifier, DSP-based audio processor with multi-frequency selection function.

SPECIFICATIONS

SYSTEM

Carrier Frequency	UHF 697.3 ~ 702.7 MHz
Available Channels	48CH (2*24CH)
Bandwidth	5.4 MHz
Dynamic Range	96dB
Total Harmonic Distortion	<0.3%
Frequency Response	30Hz ~ 20kHz ±2dB
Audio Output Level	1 x 6.3mm, 2 x XLR balance output

RECEIVER

Frequency Response	30Hz ~ 20kHz ±2dB
Power Supply	DC 12V 500mA
Consumption Power	<3watts
Signal/Noise Ratio	96dB
Receiving Sensitivity	-95dBm

HANDHELD TRANSMITTER

Carrier Frequency	UHF 697.3 ~ 702.7 MHz
Bandwidth	5.4 MHz
Frequency Response	30Hz ~ 20kHz ±2dB
Frequency Switch	IR SYNC
Microphone Type	Dynamic
Polar Pattern	Cardioid Directional
Output Power	≤ 20mW
Harmonic Radiation	< -50dBc
Battery Voltage	3V (2×1.5V AA Battery)
Battery Life	approx. >5 hours

more...



DW-240D Series 2.4GHz Digital Wireless Microphone Systems

DW-240D/BT (LV-X)



DW-240D/BT (HW-X)



ISM band
2.4GHz

2.4GHz ISM Digital Wireless Microphone System.
Digital audio processing technology produces
a clear and natural sound.

38.4 kHz
16Bit

Audio Format
16Bit, 38.4kHz

CH:32
channels

Available Channels 32CH (2*16CH)
Output Power 10mW E.I.R.P. maximum

Up To
30 M

Up To 30 Meters
Line-of-Sight Range.

- GFSK Modulation. / No RF Noise. / IR sync for easy set-up.
- Clear and intuitive LCD display, Status of Frequency AF And RF Signal Etc.
- Battery Can Be Used More Than 8 Hours / Lower Battery Consumption.
- Dual receiver system comes with both a handheld microphone and a bodypack transmitter.
- Ideal for Meeting, Training, Conference, karaoke, Clubs, Music Entertainment Etc.
- Optional Hand-Held Microphone, Pocket Transmitter, Lavalier and Headset Available.

SPECIFICATIONS

SYSTEM

Carrier Frequency	2.404GHz – 2.474GHz
Available Channels	32CH (2*16CH)
Bandwidth	70MHz
Dynamic Range	85dB
Total Harmonic Distortion	<0.1%

RECEIVER

Frequency Response	40Hz – 20kHz
Power Supply	DC12V
Consumption Power	2Watts
Signal/Noise Ratio	>95dB
Receiving Sensitivity	-80dBm

HANDHELD TRANSMITTER

Frequency Response	40Hz – 20kHz
Microphone Type	Dynamic
Polar Pattern	Super Cardioid
Transmitter RF Output Power	10mW E.I.R.P. maximum
Modulation Type	GFSK
Ultra harmonics	<20dB
Battery Voltage	3V (2×1.5V AA Battery)
Battery Life	Approx. 8 Hours

more...



DM-89

Professional Dynamic Microphone



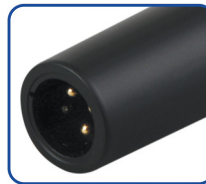
- Polar pattern Cardioid-directional
- Durable metal construction
- Good suppression of handling noise
- Balanced frequency response
- On/Off switch



XLR To XLR
cable 4.5 meters



XLR To TR Phone
cable 4.5 meters



Connector professional audio
: Three - pin (XLR), male

SPECIFICATIONS

Style	Handheld Microphone
Type	Dynamic
Polar Pattern	Cardioid
Frequency Response	40Hz - 16kHz
Sensitivity	- 65dB \pm 1.5dB @1kHz (0dB = 1V/Pa)
Impedance	600 Ω
Switch	Magnetic lock switch On-Off
Material	ZINC die - cast body
Color	Dark gray
Connector	Three - pin professional audio (XLR), male
Cable Length	4.5meters
Dimension (mm)	51 x 190
Weight	320g

more...



DKA-500

Karaoke Amplifier 500W

DKA-900

Karaoke Amplifier 900W



DKA-500 Digital Karaoke Amplifier 500 Watts
DKA-900 Digital Karaoke Amplifier 900 Watts



Touch display can choose Users can directly operate the menu on the touch screen, simple and convenient.



Built-in 5.0 Bluetooth lossless player.



Built-in USB support MP3 player.



Supports 4K 2K scale 3 HDMI input plus 1 HDMI (ARC)



Media player can be controlled via remote



Built-in DSP Processor
8 Mode DSP Music, Microphone, Effect
3 Mode Digital Auto Feedback Suppression (*)
7 Band Parametric EQs 20Hz - 20kHz ± 12 dB For Music (*)
7 Band Parametric EQs 20Hz - 20kHz ± 12 dB For Mic (*)



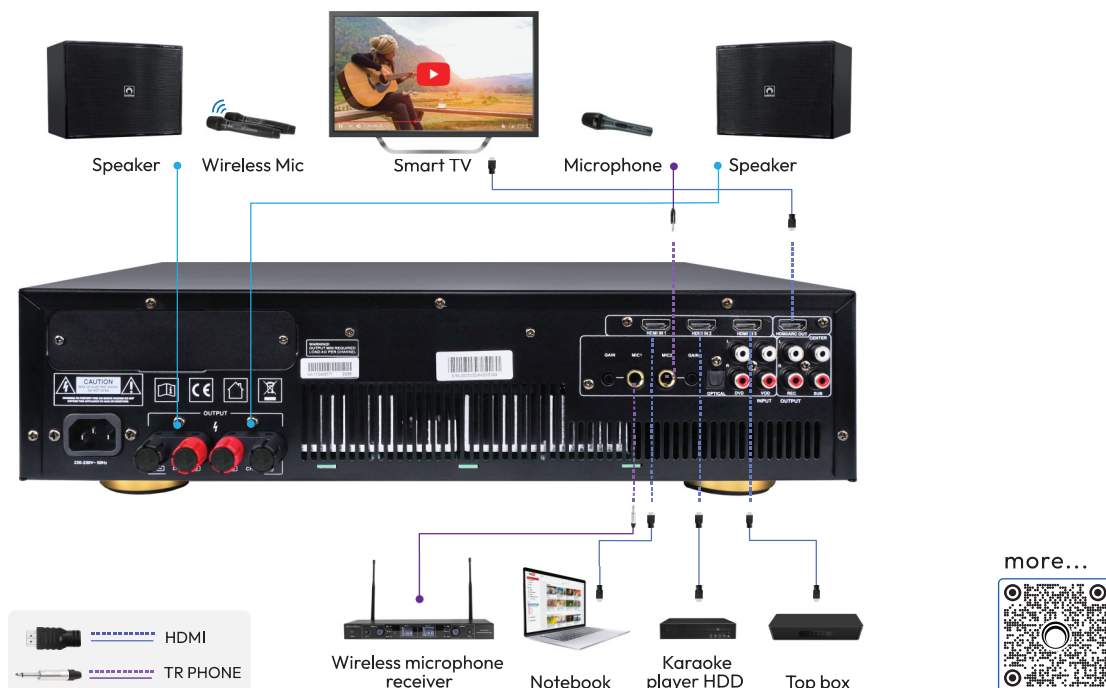
Software
DIGITAL KARAOKE AMPLIFIER.zip
Link:
www.soundvisionpro.com/download

- Input : 3+1 Audio/Video (HDMI), 3 Audio, 1 D-Audio, 2 Mic
- Output : 1 Audio/Video (HDMI/ARC), 1 Center, 1 Sub, 1 Rec (L/R)
- Music Mode, Mic Mode, Effect Mode, Boot volume setting and maximum volume lock function.
- High fidelity, large dynamic power amplifier, super stability, Strong Output power.
- Support USB tuning software control interface.
- Supports 4K 2K scale 3 HDMI input plus 1 HDMI (ARC)
- Supports Standard Audio, DSD Audio and HD Audio.
- Support wide Frequency Range : 25MHz - 300MHz TMDS clock.
- Supports 12-Bit Deep Color Full HD, 3D and 4K 2K video.
- Supports on-chip EDID RAM for Port 0, Port 1, and Port2.

SPECIFICATIONS

AMPLIFIER	DKA-500	DKA-900
Maximum output 4Ω	380W+380W	680W+680W
Minimum RMS Output Power 8Ω	250W+250W	450W+450W
Frequency response	MUSIC : 20 Hz to 30 kHz, ±1.5 dB MIC : 20 Hz to 20 kHz, ±1.5 dB	
DSP Processor	7 Band Parametric EQs 20Hz - 20kHz ±12dB For Music (*) Microphone (*) 8 Mode DSP Music, Microphone Effect 3 Mode Digital Auto Feedback Suppression (*)	
Sample Rate	48KHz / 32bit	
SNR	≥95dB	
Distortion	≤0.2	
Rated output power 8Ω1KHz degree of separation	>70dB	
Damping factor f=1KHz 8Ω	>240	
Conversion speed	15V/us	
Protection	Soft Start, Short Circuit, Limiter, DC Fault, AC Line Fuse, Thermal Cut	
Cooling system	Dual Fan	
Speaker impedance	4Ω / 8Ω (1 speaker per channel) 8Ω / 16Ω (2 speaker per channel)	
PORTS		
Input	DIGITAL AUDIO/VIDEO DIGITAL AUDIO ANALOG AUDIO	: 3 HDMI + 1HDMI (ARC) : 1 OPTICAL : RCA (L/R) : 1DVD , 1VOD
Output	MIC MP3 PLAYER DIGITAL AUDIO/VIDEO ANALOG AUDIO CENTER OUT SUBWOOFER OUT REC OUT	: 2 1/4" TR PHONE : USB PORT : 1 HDMI/ARC : RCA : 1 : 1 : 1 (L/R)
Data Control	USB (B type)	
Supply voltage	AC 220 ~ 230V, 50Hz	AC 220 ~ 230V, 50Hz
Power consumption (IEC)	700W	1000W
(Idling)	45W	60W
Dimensions (W*H*D)	440 x 120 x 320mm	440 x 120 x 320mm
Weight	11.5Kgs	12.5Kgs

DIAGRAM DKA SERIES



D-2250 2x250W @8Ω Digital Power Amplifier



D-2250 2-Channels 2x250Watts @8Ω Class D Digital Power Amplifier are ideal for meeting rooms, function rooms, multi-media room, a home theater, KTV room installation. The D-2250 amplifiers are a compact 1U size and surprisingly lightweight, making them easy to handle and install. With strong I-POWER switch power to procure maximize performance, a new generation of environmentally friendly products.

SPECIFICATIONS

Stereo Mode (2 Channels output)	Continuous average output power per channel
8Ω/FTC 20HZ~20KHZ /0.1%THD	250W
4Ω/FTC 20HZ~20KHZ /0.1%THD	450W
2Ω/FTC 20HZ~20KHZ /0.1%THD	650W
S/N (20HZ~20KHZ) 8Ω	>95dB
Distortion (@8Ω 1KHZ)	<0.15%
Sensitivity of input	1.0V
Frequency response	20HZ~20KHZ+/-0.5dB
Circuit design	CLASS D
Damping coefficient	>600@8Ω
Cooling mode	2 fans, airflow from the back to the front
Connector (each channel)	Input: XLR output: lock pin type jack
Control panel	Front panel: AC power switch, single channel 1/2 gain adjust. Back panel: Stereo / Bridge mode selection
Indicator light	Power: Green LED, Signal: Yellow LED, CLIP: Red LED, Protect: Red LED
Protect function	Short circuit, overheat, automatic limit, long-term output, DC / AC protection
Dimension (W*D*H)	483 x 343 x 45mm
Weight	4KG
AC input	220V



more...



D-8150 8x150W @8Ω Digital Power Amplifier



D-8150 8 Channels 8x150Watts @8Ω Class D multi-channel Digital Power amplifier are conference room, function rooms, ideal for multi-media room, home theater installation. D-8150 amplifiers are a compact 1U size and surprisingly lightweight, making them easy to handle and install. With strong I-POWER switch power to procure maximize performance, a new generation of environmentally friendly products.

SPECIFICATIONS

Multi-Channels (8 Channels output)	Continuous average output power per channel
8Ω/FTC 20HZ~20KHZ / 0.1%THD	150W
4Ω/FTC 20HZ~20KHZ / 0.1%THD	250W
2Ω/FTC 20HZ~20KHZ / 0.1%THD	350W
Bridge mode (single channel output)	Average continuous output power
8Ω/FTC 20HZ~20KHZ / 0.1%THD	300W
4Ω/FTC 20HZ~20KHZ / 0.1%THD	700W
S/N (20HZ~20KHZ) 8Ω	>82dB
Distortion (@8Ω 1KHZ)	<0.15%
Sensitivity of input	1.0V
Frequency response	20HZ~20KHZ+/-0.5dB
Circuit design	CLASS D
Damping coefficient	>600@8Ω
Cooling mode	2 fans, airflow from the back to the front
Connector (each channel)	Input: Euro block output: lock pin type jack
Control panel	Front panel: AC power switch, single channel 1/2/3/4/5/6/7/8 gain adjust. Back panel: Stereo / Parallel / Bridge mode selection
Indicator light	Power: Green LED, Signal: Yellow LED, CLIP: Red LED, Protect: Red LED
Protect function	Short circuit, overheat, automatic limit, long-term output, DC / AC protection
Dimension (W*D*H)	483 x 345 x 45mm
Weight	7KG
AC input	220V



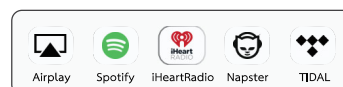
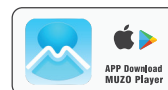
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SA-60WiFi Mixing Amplifier



- **EASY SET-UP** allows you connect your speakers effortlessly from your Wi-Fi network to your phone, turning your space into a home theater with wireless streaming. Built-in Bluetooth receiver and USB player.
- **MULTI-ROOM FUNCTION** allows you to stream synchronized music throughout different rooms, as well as control song selection and volume
- **USER-FRIENDLY APP** when you download the app to your smartphone, navigate seamlessly with simple functions. Connect with your smart device via the free app.
- **BEAUTIFUL DESIGN** allows you to add your own personal touch to your home aesthetics
- **FULL SUPPORT** for Airplay, DLNA, Spotify, iHeartRadio, TIDAL and more.
- One RJ45 port available for the point where the WiFi signal is weaker.
- 70V - 100V, 4Ω - 8Ω output loads.
- SMT circuit boards with highly stable performance.
- Powerful amplifier. / Phantom power supports condenser mic (1)
- Three microphone sockets support unbalanced 6.35mm jack.
- Mic 1 has priority over the inputs with 0~30dB dB attenuation.
- High-definition display for the working status of playing programme.
- Individual volume controller for inputs, and master volume controller for all.
- BASS and TREBLE tone controllers.
- Protection provided for output short circuit, overload, high temperature, peak current limiters.



SPECIFICATIONS

Rated Power	60W
Power Consumption	95W
Frequency Response	4Ω - 8Ω : 20Hz ~ 20kHz (±3dB) 70V - 100V : 50Hz ~ 15kHz (±3dB)
Speaker Output Mode	Low impedance : 4Ω - 8Ω Voltage line : 70V - 100V
Audio Input	MIC, AUX, USB, BLUETOOTH 4.2, WiFi
WiFi Solution	MUZO Wireless Hi-Fi System
WiFi APP Name	MUZO Player
WiFi APP version	Android, iOS
Wi-Fi Mode	Wi-Fi 802.11 b/g/n (AP/STA modes supported)
Music Format	Supported with MP3, WMA, ACC(ACC+), Apple lossless, ALAC, FLAC, APE, WAV

T.H.D	<1% at 1kHz, 1/3 rated power
S/N	≥75dB
Tone Control	BASS : 100Hz (±10dB), TREBLE : 10kHz (±10dB)
Protection	Short circuit, Overload, High temperature
AC Fuse	T1A
Power Supply	AC 220V- 240V : 50Hz/60Hz
Power Cord	(3 x 0.75mm ²) x 1.5M
Dimensions (H*W*D)	100 x 290 x 260mm
Weight	5.5 kgs

more...



SA-60BT

Mixing Amplifier 60W



- Built-in Bluetooth receiver and USB player.
- 70V - 100V, 4Ω - 8Ω output loads.
- SMT circuit boards with highly stable performance.
- Phantom power supports condenser mic (1), Three microphone sockets support unbalanced 6.35mm jack.
- Mic 1 has priority over the inputs with 0~30dB dB attenuation.
- High-definition display for the working status of playing programme.
- Individual volume controller for inputs, and master volume controller for all.
- BASS and TREBLE tone controllers.
- Complete protection is provided for output short circuit, overload, high temperature, peak current limiters.

SPECIFICATIONS

Rated Power	60W
Power Consumption	120W
Frequency Response	4Ω - 8Ω : 20Hz ~ 20kHz (±3dB) 70V - 100V : 50Hz ~ 15kHz (±3dB)
Speaker Output Mode	Low impedance : 4Ω - 8Ω Voltage line : 70V - 100V
Audio Input	MIC, AUX, USB, BLUETOOTH 4.2
T.H.D	<1% at 1kHz, 1/3 rated power
S/N	≥75dB
Tone Control	BASS : 100Hz (±10dB), TREBLE : 10kHz (±10dB)
Protection	Short circuit, Overload, High temperature
AC Fuse	T1A
Power Supply	AC 220V- 240V : 50Hz/60Hz
Power Cord	(3 x 0.75mm ²) x 1.5M
Dimensions (H*W*D)	100 x 290 x 260mm
Weight	5.5 kgs



more...



SA-150BT

Mixing Amplifier 150W

SA-300BT

Mixing Amplifier 300W



The SA-150BT | SA-300BT USB/SD/BT Mixing Amplifiers are designed to meet the requirements of medium sized professional public address installations, and designed with over all 70V - 100V, 4Ω - 8Ω loads and featured an industry leading 5 Zones 100V load solution, 150W | 300W of amplifier power are available, with provided an audio output to 5 different zones within the venue, each zone has its own separate switch on/off manually operated on front panel, and each zone has its own LED indicator, shall light green for on.

Built-in CHIME and SIREN circuitry with push button and volume control on front panel. Five microphone jacks support 48V Phantom Power microphone and 6.35mm plug microphone, pushing the button "VOICE PRIORITY" the MIC1 can be set with priority over the other inputs with 0 ~ 30dB dB attenuation.

- Built-in Bluetooth receiver and USB/SD player.
- 70V - 100V, 4Ω - 8Ω output loads.
- 5 Zones 100V speaker outputs with separate switch ON/OFF & LED indicator.
- Five 48V Phantom Power sockets support unbalanced 6.35mm jack or balanced XLR jack.
- Phantom power supports condenser mics (1,2,3,4)
- Mic 1 has priority over the inputs with 0 ~ 30dB dB attenuation.
- High-definition display for the working status of playing programme.
- Built-in Chime and Siren circuitry with push-button and volume control.
- BASS and TREBLE tone controllers. Master volume control.
- Complete protection provided for output short circuit, overload, high temperature.
- Removable rack mounting brackets supplied.

SPECIFICATIONS

Model	SA-150BT	SA-300BT
Rated Power	150W	300W
Power Consumption	200W	450W
Frequency Response	4Ω - 8Ω : 20Hz ~ 20kHz (±3dB) 70V - 100V : 50Hz ~ 15kHz (±3dB)	
Speaker Output Mode	Low impedance : 4Ω - 8Ω Voltage line : 70V - 100V	
MIC Input	5 MIC inputs supporting XLR phantom power connection	
Zone output	5 Zones selector	
Audio Input	MIC, AUX, CD, TUNER, SD, USB, BLUETOOTH 4.2	
Audio Output	Speaker Out, Zone Out, Pre-amp Out Line RCA	
T.H.D	<1% at 1kHz, 1/3 rated power	
S/N	≥75dB	
Tone Control	BASS : 100Hz (±10dB), TREBLE : 10kHz (±10dB)	
Protection	Short circuit, overload, high temperature	
AC Fuse	T4A	T6A
Power Supply	AC 220V- 240V : 50Hz/60Hz	
Power Cord	(3 x 0.75mm2) x 1.5M	
Dimensions (H*W*D)	100 x 430 x 340mm	
Weight	9.5 kgs	12 kgs



more...





LOUDSPEAKER CONTENTS



62

ACS-1500 SERIES

Active Column
Speaker System

63

KS-310D

Professional
Karaoke Speaker

64

AP-28A

Portable Speaker
Dual Woofers

65

AP - SERIES

Powered
Loudspeaker

67

SVS - SERIES

Passive two-way
surface-mount speaker

ACS-1500 Series

Active Column Speaker System



ACS-1500 Series Active Column Speaker System which can cover the usage area from small to large designed for hi-end professional sound performance specifically for frequency response up to 40Hz~18KHz $\pm 3\text{dB}$, Power maximum 1800 Watts Amplifier Class D with DSP processor 5 Preset for best performance. And can stream wireless music via Bluetooth support ideal life sound concert, event, shopping mall, meeting room training, fitness, restaurant, hotel banquet room. This series includes ACS-1500S (Subwoofer), ACS-1500C (Column Speaker)

SPECIFICATIONS

Model	ACS-1500S (Subwoofer)	ACS-1500C (Column)
Transducer	Subwoofer Components: 15", 3" voice coil	Satellite Components: 4" X 8 Full Range Speaker
Frequency Response	40Hz ~ 180Hz $\pm 3\text{dB}$	110Hz ~ 18kHz $\pm 3\text{dB}$
Rated Power	600W / 1200W (MAX)	300W / 600W (MAX)
Amplifier	Class D	-
Sensitivity	95dB 1m/1W	96dB 1m/1W
Maximum SPL	125dB/134dB (Peak)	125dB/134dB (PEAK)
Nominal Impedance	4 Ω	4 Ω
Built-in DSP Processor	DEFAULT, MUSIC, DANCE, SPEECH, POP	-
Audio Streaming Wireless	Bluetooth Version 4.0	-
Dispersion Angle (H x V)	-	80° X 20°
Connection	Line Input: XLR or 1/4" Jack, Line Output: XLR	SPEAKON
Operating voltage	AC 220 ~ 240V, 50/60Hz	-
Dimensions (W*H*D)	430 x 520 x 570mm	135 x 980 x 135mm
Net Weight	27 Kgs	11 Kgs

more...





KS-310D

Professional Karaoke Speaker

KS-310 series includes 10-inch 3-way passive loudspeakers designed specifically for high-end karaoke and nightlife applications premium products that meet all the needs in karaoke sound reproduction.

- 10 inch Three-way Passive loudspeakers
 - LF Driver : 10 inch Woofer
 - MF Driver : 3 inch Midrange drivers
 - HF Driver : 1 inch Tweeter
- Frequency Response : 45Hz - 20kHz
- Sensitivity : 90dB
- Nominal Impedance : 8 ohm
- SPL output : 105dB (Peak : 121dB)
- Rated Power (RMS / Peak) : 180 Watts / 400 Watts



YOUR SOLUTION FOR

- Karaoke Room / Home Theater
- Meeting & Party
- Bars & restaurants
- Dance Floor / Lounge. Seminar
- Convention centers
- Building Exterior
- Lobby Hotel

SPECIFICATIONS

Type	10" , 3-Way Passive
Frequency Response	45Hz - 20kHz
Sensitivity	90dB
Nominal Impedance	8Ω
SPL output	105dB (Peak : 121dB)
Rated Power (RMS / Peak)	180W / 400W
Coverage (H x V)	90°x 60°
Recommended Amp Power	270W

LF Driver	1 x 10" Woofer
MF Driver	1 x 3" midrange drivers
HF Driver	1 x 1" tweeter
Cabinet Material	HD MDF (15mm)
Color	KS-310D (Black)
Inputs	Cable clamp
Dimensions (H*W*D)	300 x 410 x 285 mm
Net Weight	13Kgs

more...



AP-28A

Portable Speaker Dual Woofers



AP-28A is the new developed active plastic speaker series with an aesthetically pleasing design. This series can be paired with various styles and features of power amplifiers as well as multi connection choices with USB, SD, Bluetooth, FM radio, stereo Bluetooth pairing, DSP processor function etc. Applicable to large or medium concerts, stage monitoring, commercial performances, meetings and other occasions.

SPECIFICATIONS

Model	AP-28A
Type	2-way active speaker
Transducer	Titanium Driver: 1" throat, 1.75" voice coil Woofer: (8" x 12") x 2, 1.8" voice coil
Frequency Response	45Hz ~ 20kHz
Rated Power	400W / 800W (MAX)
Amplifier	Class AB Amplifier
Maximum SPL	124dB / 134dB (Peak)
Qty per container 20' / 140' / 140' HC	210 / 425 / 495
Built-in DSP Processor	DEFAULT, DANCE, SPEECH, EXT SUB
Media player	USB / SD-Card support MP3, WMA files. FM Radio, Wireless audio streaming Bluetooth
Connection	Mic Input : XLR or 1/4" Jack Line Input : XLR or 1/4" Jack, RCA line Output : XLR
Operating voltage	AC 220 ~ 240V, 50/60Hz
Dimensions (W*H*D)	440 x 330 x 700mm
Net Weight	23 kgs

more...



AP-12AU AP-15AU

POWERED LOUDSPEAKER



AP Series Powered Loudspeaker. BIG Loud & Clear... AP-12AU 12" / AP-15AU 15" The Trapezoidal design was used for a more precise and accurate sound will add increased sound definition on vocal frequencies. This state-of-the-art speaker will give you of enjoyment., suitable for use in both speaking and listening to music.

1600
Watts

Power RMS :
800W / 1600W (MAX)

Amplifier
Bi - A M P
Class **D**

Amplifier :
Class D Bi-amplifier

 12"/15"
2-way
Active

Speaker type :
2-way active speaker

 EQ (±12dB)
Bass : 80 Hz
Treble : 12kHz

EQ BASS : 80Hz (±12dB)
TREBLE : 12kHz (±12dB)

 **T W S**
Wireless stereo
Using BT

Media player : Wireless
stereo audio streaming
Bluetooth (TWS)

 **USB**
Support MP3
WMA File

Media player : USB
support MP3, WMA files.

 WITH  **DSP MODE**
- FLAT
- MUSIC
- SPEECH
48kHz / 56Bits - EXT SUB

Built-in DSP processor :
48KHz / 56Bits (Mode : FLAT,
MUSIC, SPEECH, EXT SUB)



Dual pole cup mounts
standard and 7.5°
down-tilt

SPECIFICATIONS

Model	AP-12AU	AP-15AU
Transducer	Titanium Driver: 1" throat, 2" voice coil Woofer: 12", 3" voice coil	Titanium Driver: 1" throat, 2" voice coil Woofer: 15", 3" voice coil
Frequency Response	50Hz ~ 20KHz (-10dB)	45Hz ~ 20KHz (-10dB)
Rated Power	800W / 1600W (MAX)	800W / 1600W (MAX)
Amplifier	CLASS D Bi-Amplifier	CLASS D Bi-Amplifier
Sensitivity	96dB 1m/1W	97dB 1m/1W
Maximum SPL	126dB / 136dB (Peak)	128dB / 138dB (Peak)
Nominal Impedance	4Ω	
Dispersion Angle (H x V)	80° x 60°	
Built-in DSP Processor	48KHz / 56Bits (Mode: FLAT, MUSIC, SPEECH, EXT SUB)	
EQ	BASS : 80Hz (±12dB), TREBLE : 12kHz (±12dB)	
Media player	- Wireless stereo audio streaming Bluetooth (TWS) - USB support MP3, WMA files.	
Connection	Line Input: XLR,RCA,3.5mm Jack Line Output: XLR	
Mains Supply	PowerCON	

GENERAL

Operating voltage	AC 220 ~ 240V, 50/60Hz	AC 220 ~ 240V, 50/60Hz
Dimensions (W*H*D)	365 x 360 x 610mm	365 x 360 x 610mm
Net Weight	20.5 Kgs	24.5 Kg



more...



SVS-62W | SVS-82W

Passive two-way surface-mount speaker

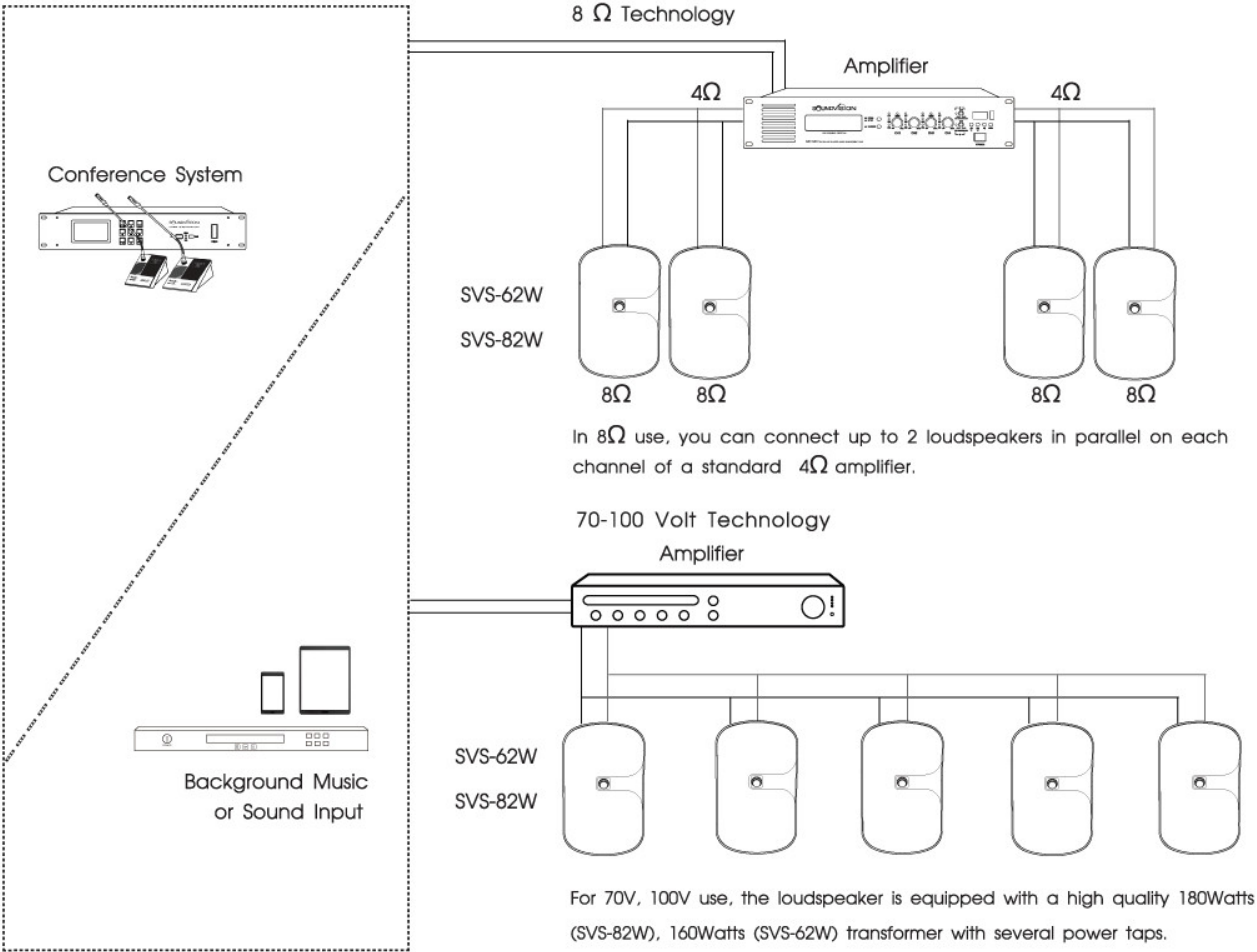


SVS-Series Passive two-way surface-mount speaker ideal for indoor and outdoor applications requiring high-quality sound. Model SVS-62W | SVS-82W designed for a wide range of commercial audio applications including retail shops, hotels, shopping malls, restaurants, conference rooms, bars and health clubs. Model SVS-62W | SVS-82W are available in black, Transformer Taps 70V : 40W, 20W, 10W, 5W | 100V : 80W, 40W, 20W, 10W available for constant voltage systems.

SPECIFICATIONS

model	SVS-62W	SVS-82W
All-weather versatility	IP54* (*SVS-62WP)	IP54* (*SVS-82WP)
Color	Black	
Input Connections	Euro block	
Speaker Type	Full-range, Mid-High, Two-Way	
Transformer Taps	70V : 40W, 20W, 10W, 5W 100V : 80W, 40W, 20W, 10W 8Ω Bypass	
Frequency Response	65Hz ~ 20kHz (-3dB)	55Hz ~ 20kHz (-3dB)
	50Hz ~ 20kHz (-10dB)	45Hz ~ 20kHz (-10dB)
Sensitivity 1 W/1 m	93 dB	94 dB
Max. SPL/1m (calc)	118 dB	120 dB
Coverage (Nominal -6 dB) H	90° (±45°)	90° (±45°)
Coverage (Nominal -6 dB) V	60° (±30°)	60° (±30°)
System Power Handling	160W Max. / 80W continuous	180W Max. / 90W continuous
LF Transducer	6.5-inch Waterproof Paper Cone (Glass fiber cone technology)	8-inch Waterproof Paper Cone (Glass fiber cone technology)
HF Transducer	1-inch (Silk dome)	1-inch (Silk dome)
Nominal Impedance (Passive)	8Ω	
Indoor / Outdoor	Yes	
Material	Engineering-plastics (ABS)	
Dimensions (H x W x D mm)	196 x 300 x 330mm	240 x 335 x 390mm
Weight	10 Kg/ pair, 5 Kg / Single	11 Kg/ pair, 5.5 Kg / Single

DIAGRAM SVS-62W | SVS-82W



more...



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