



- Frequency response: 40Hz-16KHz.
- Sensitivity: -44db±2db.
- Reference sound receiving distance: 20-120cm.
- Embedded installation and detachable microphone system.
- Power supply for all the microphones is provided by the main unit.
- LED- Red indicator lamps shows the status of the microphone.
- Talk Button with Dual Color LED Light. Green Color -On & Red Color Talk.
- Chairman unit number is unrestricted, can join in any position in the conference.
- Indicative sound for chairman unit(optional).

TECHNICAL SPECIFICATION		
Model	Chairman Unit- ATDSC DCU100 Delegate Unit- ATDSC DDU100	
Microphone	Chairman Unit	Delegate Unit
Priority Button	Yes	No
Button On/Off	Yes	Yes
Ring Light	Red (When on)	Red (When on)
Sensitivity	-44dB + 2dB	-44dB + 2dB
Frequency Response	100Hz-16kHz	100Hz-16kHz
Detachable Microphone	4 Pin	4 Pin
T.H.D.	<0.05%	<0.05%
8 Pin	Daisy Chain on CAT6	Daisy Chain on CAT6
Power Consumption	1W	1W
Voltage	DC18V (Supply by 8 PIN cable)	DC18V (Supply by 8 PIN cable)
Dimension	Base:120x85x25mm Mic. 420mm (Length)	Base:120x85x25mm Mic. 420mm (Length)
Color	Black	Black
Installation	Tabletop	Tabletop
Net Weight	0.7kg	0.7kg

Digital Controller & Integrated Processor



ATDSC 1000 DMU Digital Conference Main Unit

Provides power supply to all contribution unit and is key component to link system hardware to software control. In Stand-alone mode, the CMU carries out basic management facilities, while more comprehensive management facilities are implemented through the software control.

The STP Cat6 cable is used to transmit high quality digital audio, control and other information data, avoiding cables cluttering up the conference venues and adaptable to any system cabling requirements. The “hand-in-hand” design of contribution units enables the units to be added into the system at any desired point, and simplifies equipment extension and maintenance significantly.

Functions and Features

Conference Management Software

Conference system is controlled by software and centrally managing all aspects of the conference and making the operation easy and efficient.

Numbers of active microphones and operation modes

a) Active microphone limit (1/2/3/4) and speaking time limit.

b) Three operation modes can be set via the main unit

- “Limit” mode: This display will show LIMIT MODE, & the number of delegates that can speak simultaneously. Once this number of delegates is reached, no further delegates will be allowed to intervene.
- “FIFO” mode: The display will show FIFO (First in First Out) MODE, plus the number of delegates who can speak simultaneously. When the set limit is reached and new speaker switch ON the Microphone the first one goes inactive and in sequence it repeats.
- “Apply” mode: Only controlled by the software operator to decide the request microphone On/Off
- Timing mode: User can set the speaking time on the CMU
- PPT mode: Push to talk.
- VIP mode: The VIP microphones are not limited by the system mode and works independently above all modes.

Chairman Microphone

Chairman Priority: Chairman priority key has two functions (Mute All/Close All) when "Chairman Only" function is active, all delegate microphones will be off or mute when priority key pressed. The delegate microphones will be in de-active mode will remain excluded until allowed by Chairman again.

Software Control

- Active microphone limit and microphones mode selection.
- Microphone ID list, speaking and request list can be displayed on the software and through which the operation can turn/on/off the microphones
- Set up microphone functions (Speaking, Sign in, Ballot rights)
- Speaking time and warning time limit.
- Look at Me / Audio Tracking Compatible (Support PELCO-D and VISCA). Maximum 8 cameras can be controlled.
- Edit conference data (Conference heading, proposal, sub-screen display, delegates data)
- System line detect to check microphone status
- STP Cat6 cables are used for data transmission and power supply, supporting data transmission with a fast internet service and ideal in long distance installation.
- Highly sensitive and perfect sound quality, with built-in high-performance dual-core CPU, 32 bit high-speed DSP technologies, feedback suppression, noise cancellation, automatic gain, and digital equalization are all available.
- Built-in video tracking control and ballot processor, high definition switching matrix are available for auto video tracking with HD video matrix.
- Built-in USB, allowing the realizing of recording and monitoring.
- Audio output in balanced or unbalanced way.
- Ethernet, RS422 and RS232 to match up with different devices.
- Multiple conference functions could be realized when CMU is connected to computer
- Excellent immunity to RF interference from Mobile phones.
- Power Input: 230-VAC 50/60Hz
- Maximum Output Power: 350W
- Frequency Response: 100Hz-15KHz
- S/N: >96db
- T.H.D: 0.1%@1kHz
- Dimensions: 485x 88 x360 mm, 2 U rack 19"

Technical Specification	
Digital Conference Main Unit- ATDSC 1000 DMU	
Front Panel	
Power Switch	1
Monitoring earphone interface (3.5 mm)	1
UBS interface for recording	1
Indicator LED to show recording status	2 (Green & Red)
Recording function button	1
Display 4.3" IPS touch control	1
Rear Panel	
Speaker output for external speaker	2 X 50W RMS 4-16 Ohm
Audio IN	Line Level input (RCA) X 2
Audio Out	Balanced signal output (male XLR3)x1 Unbalanced line level output(RCA) X 2
Zone Audio out	Independent output of audio corresponding to each microphone outlets (A/B/C/D)xx
Ethernet Interface	4 x (Path microphones output interface to connect system microphones (A/B/C/D)
RJ 45	1 x Digital audio network interaction interface for integrated processor 1 x Multifunctional digital control interface supporting RS485
AC Power Socket	1
Matrix control interface	PIN 3 TXD, PIN 5=GND
RS 232 PC control interface	1
RS-232 camera control interface	1
Camera data control indicator	1
RS422/485 camera control interface	1
LAN	1 x Ethernet interface for communication between the CMU & PC
HDMI	4 x Camera video input interface
HDMI	1 x Camera video output interface

