

## HCS-4338NDVS/50 Discussion Unit with Voting and Channel Selection



### Features

- Stylish and ergonomic design
- Small size, light weight, economical and practical, easy to transport
- Connection cable routing from the bottom of the device, thus desktop cable opening is not visible
- Hi-Fi loudspeaker
- Pluggable microphone
- 3 voting keys
- OLED screen, high contrast ratio, high brightness, wide viewing angles and low consumption
- “Closed Loop - Daisy Chain” connection topology
- Transmitting up to 64 CHs high quality digital audio signals on a dedicated 6-pin cable
- Supporting 48 kHz audio sampling rate, all 64 channels with a 30 Hz to 20 kHz frequency response
- Built-in channel selector consists of up/down channel select buttons and SI information display
- Touch-key, no mechanical noise, long life, waterproof
- Excellent immunity to RF interference from mobile phones
- Gain and EQ (5 band) of each microphone adjustable separately
- Supporting “PnP” (plug and play)
- Built-in multi-channel intercom facility

The multi-functional delegate unit meets the demands of even the largest conferences. It provides facilities for speaking, registering a request-to-speak, registering a request-to-respond, listening, voting, selecting language channels. Excellent immunity to RF interference from mobile phones. A graphic OLED screen can display operation menu, channel number and language name. Channel selection is automatically limited to the number of language channels available. The loudspeaker offers superior acoustics with minimal feedback for enhanced intelligibility.

### Functions

- Compliant to IEC 60914
- “Closed Loop - Daisy Chain” connection topology for a high operational system reliability: breakdown or replacement of a congress unit and connection failure of a cable will not influence other congress units
- Based on TAIDEN originated MCA-STREAM digital audio processing and transmitting technologies
- Audio signals processed by high performance DSP: sound quality approaching CD quality
- Gain and EQ (5 band) of each microphone adjustable separately, fitting the individual orator's voice to achieve perfect speech pickup any time
- Transmitting up to 64 CHs high quality digital audio signals on a dedicated 6-pin cable (general Cat.5 cable substitutable)
- Supporting 48 kHz audio sampling rate, all 64 channels with a 30 Hz to 20 kHz frequency response
- Integrated high-pass filter (low-cut switch) to cut low frequency elements from the audio when needed
- Automatic recovery facility, supporting “PnP” (plug and play)
- Stem microphone can be unplugged during adjournment, easy to maintain
- Mini-microphone, with foam windshield
- Hi-Fi loudspeaker, minimal feedback, mutes automatically when microphone is active
- Excellent immunity to RF interference from mobile phones and comparable devices
- Microphone On/Off button, 3 voting keys
- Every delegate unit is assigned an individual ID for convenient setup and to avoid double ID forever
- Facilities in stand-alone operation:
  - ◆ Set the number of delegates permitted to speak at the same time
  - ◆ Speak mode: OPEN/OVERRIDE/VOICE/APPLY/PTT
    - “OPEN” mode, microphone On/Off button with request-to-speak registration (AUTO)
    - “OVERRIDE” mode, microphone On/Off button control with override of the active microphones (FIFO)
    - “VOICE” mode, acoustic active sensitivity and automatic switch-off time adjustable continuously, built-in “flash-on” technology, immediate microphone activation on speaking
    - “APPLY” mode, delegate applies to speak by pressing microphone On/Off button, delegate only speaks when operator or chairman approved his application
    - “PTT” mode, press microphone On/Off button to talk
  - ◆ Simultaneous interpretation
- Voting function (Yes/No/Abstain) in combination with the corresponding software modules
- Key-press sign-in
- Automatic video tracking implementation when cooperating with cameras & video switcher unit; preset positions on PC
- Built-in multi-channel intercom facility
- Set any delegate unit to be VIP unit
  - ◆ Up to 32 units can be set as VIP in one system via application software
  - ◆ VIP unit can be activated as long as the total of active microphones is not beyond 6 (incl. chairman/delegate/VIP unit)

## Controls and Indicators

- Built-in channel selector consists with up/down channel select buttons and SI information display
- Uni-directional electret condenser microphone with two-color illuminated ring
- Headphone volume up and down
- Microphone On/Off button with indicator
- 3 voting keys with indicators
- "Request" button: the delegate can press the "Request" button to request to speak and his/her name will appear in the request list

## Interconnections

- Socket for pluggable microphone
- Ø 3.5 mm stereo headphone jack
- 1.5 m cable with 6P-DIN plug
- 0.6 m cable with 6P-DIN socket

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## Technical Specifications

### Electrical

Max. consumption..... 1.8 W

### Headphone connection

Frequency response..... 30 Hz to 20 kHz

Earphone load impedance..... >16 Ohm

Earphone output..... 10 mW

### Recommended microphone type

Transducer..... Electret-condenser

Polar pattern..... Uni-directional

Operating voltage..... 5 VDC

Sensitivity..... -46 dBV/Pa

Frequency response..... 50 Hz to 20 kHz

Input impedance..... 2 kOhm

Directivity 0°/180°..... > 20 dB (1 kHz)

Equivalent noise..... 20 dBA (SPL)

Maximum sound pressure level..... 125 dB (THD<3%)

### Interface data

Connector..... Ø 3.5 mm stereo jack for headphone

### Mechanical

Mounting..... Tabletop

Dimensions (h x w x d) (w/o stem mic.)..... 73 x 101 x 133 mm

Weight (incl. stem microphone)..... 1.0 kg

Color..... Champagne (PANTONE 401 C) panel +  
black (PANTONE 419 C) base /  
Charcoal gray (PANTONE Cool Gray 11  
C) panel + black (PANTONE 419 C)  
base

Stem length..... 410 mm (standard version),  
240 mm, 330 mm, 470 mm

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## Ordering Information

HCS-4338NDVS\_B/50..... Fully Digital Congress System Delegate  
Unit (tabletop, 3 voting keys, 64 CHs,  
OLED, champagne panel + black base)

HCS-4338NDVS\_D/50..... Fully Digital Congress System Delegate  
Unit (tabletop, 3 voting keys, 64 CHs,  
OLED, charcoal gray panel + black  
base)