Accessories

Earphones **6**

EP-830	Single Earphone (can be disassembled, TRS connector, Ring: NC)	6
EP-820AS	Single Earphone (TRS connector, Ring: NC)	6
EP-822	Single Inner Earphone (TRS connector, Ring: NC)	6
EP-823L	Single Earphone (left, TRS connector, Ring: NC)	6
EP-823R	Single Earphone (right, TRS connector, Ring: NC)	7
EP-829	Single Earphone (ear pads can be striped, TRS connector, Ring: NC)	7
EP-960AN	Interpreter Headset(TRRS plug, stereo, for HCS-8385/80, including a pair of EP-960HD Detachable Earshells)	7
EP-960AH	Interpreter Headset(stereo, for HCS-4385U/50, including a pair of EP-960HD Detachable Earshells)	8
EP-960BH	Interpreter Headphones (stereo, including a pair of EP-960HD Detachable Earshells)	8
HCS-5100PA	Interpreter Headphones	8
HCS-5100PA-PAD	Sponge Ear Pads (thick, for HCS-5100PA, 50 pairs/package)	9
EP-960SP-L	Sponge Ear Pads for EP-960 (Ø 70 mm, for EP-960AH/EP-960BH, 10 pairs/package)	9
EP-960SP-S	Sponge Ear Pads for EP-960 (Ø 58 mm, for EP-960AH/EP-960BH, 10 pairs/package)	9
EP-960HD	Detachable Earshells for EP-960 (for EP-960AH/EP-960BH, 1 pair)	9

HCS-1020 Clip Microphone **9**

Stem Microphones **10**

MS33EGF1S	Stem Microphone (33 cm, semi-rigid gooseneck arm, broadcast quality microphone, with bi-color illuminated ring and lockable windshield, for HCS-4100, HCS-4800, HCS-5300, HCS-8300 and HCS-8600 series, silver)	10
MS33EGF1B	Stem Microphone (33 cm, semi-rigid gooseneck arm, broadcast quality microphone, with bi-color illuminated ring and lockable windshield, for HCS-4100, HCS-4800, HCS-5300, HCS-8300 and HCS-8600 series, black)	10
MS41EGF1S	Stem Microphone (41 cm, semi-rigid gooseneck arm, broadcast quality microphone, with bi-color illuminated ring and lockable windshield, for HCS-4100, HCS-4800, HCS-5300, HCS-8300 and HCS-8600 series, silver)	10
MS41EGF1B	Stem Microphone (41 cm, semi-rigid gooseneck arm, broadcast quality microphone, with bi-color illuminated ring and lockable windshield, for HCS-4100, HCS-4800, HCS-5300, HCS-8300 and HCS-8600 series, black)	10
MS47EGF1S	Stem Microphone (47 cm, semi-rigid gooseneck arm, broadcast quality microphone, with bi-color illuminated ring and lockable windshield, for HCS-4100, HCS-4800, HCS-5300, HCS-8300 and HCS-8600 series, silver)	10
MS47EGF1B	Stem Microphone (47 cm, semi-rigid gooseneck arm, broadcast quality microphone, with bi-color illuminated ring and lockable windshield, for HCS-4100, HCS-4800, HCS-5300, HCS-8300 and HCS-8600 series, black)	10
MS50EGF2B	Stem Microphone (50 cm, dual-flex gooseneck arm, broadcast quality microphone, with bi-color illuminated ring and lockable windshield, for HCS-4100, HCS-4800, HCS-5300, HCS-8300 and HCS-8600 series, optional, black)	11
MS60EGF2B	Stem Microphone (60 cm, dual-flex gooseneck arm, broadcast quality microphone, with bi-color illuminated ring and lockable windshield, for HCS-4100, HCS-4800, HCS-5300, HCS-8300 and HCS-8600 series, optional, black)	11

MS70EGF2B	Stem Microphone (70 cm, dual-flex gooseneck arm, broadcast quality microphone, with bi-color illuminated ring and lockable windshield, for HCS-4100, HCS-4800, HCS-5300, HCS-8300 and HCS-8600 series, optional, black)	11
MS33EGFSS	Stem Microphone (33 cm, fully flexible gooseneck arm, broadcast quality microphone, with bi-color illuminated ring and lockable windshield, for interpreter unit, silver)	12
MS33EGFSB	Stem Microphone (33 cm, fully flexible gooseneck arm, broadcast quality microphone, with bi-color illuminated ring and lockable windshield, for HCS-9385 RSI interpreter unit, black)	12
MS33EHA1B	Stem Microphone (33 cm, semi-rigid gooseneck arm, broadcast quality microphone, 14 mm uni-directional electret condenser microphone, with bi-color illuminated ring and windshield, for HCS-4100, HCS-4800, HCS-5300, HCS-8300 and HCS-8600 series, optional, black)	13
MS41EHA1B	Stem Microphone (41 cm, semi-rigid gooseneck arm, broadcast quality microphone, 14 mm uni-directional electret condenser microphone, with bi-color illuminated ring and windshield, for HCS-4100, HCS-4800, HCS-5300, HCS-8300 and HCS-8600 series, optional, black)	13
MS47EHA1B	Stem Microphone (47 cm, semi-rigid gooseneck arm, broadcast quality microphone, 14 mm uni-directional electret condenser microphone, with bi-color illuminated ring and windshield, for HCS-4100, HCS-4800, HCS-5300, HCS-8300 and HCS-8600 series, optional, black)	13
MIC-CAMP_G	Lockable Windshield (for MS**EGF series stem microphone, optional, gray)	14
MIC-CAMP_B	Lockable Windshield (for MS**EGF series stem microphone, optional, black)	14
MIC-SK-V	Stem Microphone Fixing Base (tabletop)	14
Battery and Charging Devices		**15**
HCS-5300BAT	Lithium Rechargeable Battery Pack (11.1 V DC, for HCS-5300/01/02 series conference unit)	15
HCS-5300CHG/08	Charging Unit (8 pcs/case, for HCS-5300BAT)	15
HCS-5300CHG/06	Charging Unit (6 pcs/case, for HCS-5380 series, HCS-5381C/D, 5381RC/RD conference unit)	16
HCS-5300CHG/06A	Charging Unit (6 pcs/case, for HCS-5380 series, HCS-5381RC/RD conference unit)	16
Power Adapter		**17**
HCS-ADP15V	Power Adapter (15 V DC, 2.4 A, for HCS-5300/01/02 series conference unit)	17
HCS-ADP24V	Power Adapter (24 V DC, 1.5 A, for HCS-5300TH)	17
HCS-ADP24V2	Power Adapter (24 V DC, 1.5 A, for HCS-5300TWN)	18
HCS-ADP48V	Power Adapter (48 V DC, 1.875 A, for HCS-8368T/50, HCS-8685BM)	18
TES-ADP5V	Power Adapter (5 V DC, 2.0 A, for HCS-5380/5381 series conference unit)	19
Cables and Connectors		**20**
CBL2SS-01	1 m 2-pin Cable (with two sockets)	20
CBL2SS-01CMP	1 m 2-pin Cable (with two sockets, CMP)	20
CBL4PK-01CMP	1 m Power Adapter Cable (for device supplies power to HCS-8338, HCS-8348, HCS-8368, HCS-8668 and HCS-8638, CMP)	20
CBL4PS-05CMP	5 m 4-pin Extension Cable (with a plug and a socket, CMP)	20
CBL4PS-10CMP	10 m 4-pin Extension Cable (with a plug and a socket, CMP)	20
CBL4PS-20CMP	20 m 4-pin Extension Cable (with a plug and a socket, CMP)	20
CBL4PS-30CMP	30 m 4-pin Extension Cable (with a plug and a socket, CMP)	20
CBL4PS-40CMP	40 m 4-pin Extension Cable (with a plug and a socket, CMP)	20
CBL4PS-50CMP	50 m 4-pin Extension Cable (with a plug and a socket, CMP)	20
CBL4C-CMP	Professional Extension Cable for Conference System (4-pin, 18AWGx4C, CMP)	21
CBL4PT-02ACMP	2 m Power Branch Cable (for HCS-8338, HCS-8348, HCS-8368, HCS-8668 and HCS-8638 series Paperless Multi-media Congress Terminal, CMP)	21

CBLS-UTP	Professional Extension Cable for Conference System	21
CBLS-FTP-CMP	Professional Extension Cable for Conference System (CMP)	21
CBL6PP-02	2 m 6-pin Extension Cable (with two plugs)	21
CBL6PP-02CMP	2 m 6-pin Extension Cable (with two plugs, CMP)	21
CBL6PS-01	1 m 6-pin Extension Cable (with a plug and a socket)	22
CBL6PS-03	3 m 6-pin Extension Cable (with a plug and a socket)	22
CBL6PS-05	5 m 6-pin Extension Cable (with a plug and a socket)	22
CBL6PS-10	10 m 6-pin Extension Cable (with a plug and a socket)	22
CBL6PS-20	20 m 6-pin Extension Cable (with a plug and a socket)	22
CBL6PS-30	30 m 6-pin Extension Cable (with a plug and a socket)	22
CBL6PS-40	40 m 6-pin Extension Cable (with a plug and a socket)	22
CBL6PS-50	50 m 6-pin Extension Cable (with a plug and a socket)	22
CBL6PS-03CMP	3 m 6-pin Extension Cable (with a plug and a socket, CMP)	22
CBL6PS-05CMP	5 m 6-pin Extension Cable (with a plug and a socket, CMP)	22
CBL6PS-10CMP	10 m 6-pin Extension Cable (with a plug and a socket, CMP)	22
CBL6PS-20CMP	20 m 6-pin Extension Cable (with a plug and a socket, CMP)	22
CBL6PS-30CMP	30 m 6-pin Extension Cable (with a plug and a socket, CMP)	22
CBL6PS-40CMP	40 m 6-pin Extension Cable (with a plug and a socket, CMP)	22
CBL6PS-50CMP	50 m 6-pin Extension Cable (with a plug and a socket, CMP)	22
CBL5300-05	5 m Dedicated Transceiver Cable	22
CBL5300-10	10 m Dedicated Transceiver Cable	22
CBL5300-20	20 m Dedicated Transceiver Cable	22
CBL5300-30	30 m Dedicated Transceiver Cable	22
CBL5300-40	40 m Dedicated Transceiver Cable	22
CBL5300-50	50 m Dedicated Transceiver Cable	22
CBL5300-05CMP	5 m Dedicated Transceiver Cable (CMP)	22
CBL5300-10CMP	10 m Dedicated Transceiver Cable (CMP)	22
CBL5300-20CMP	20 m Dedicated Transceiver Cable (CMP)	22
CBL5300-30CMP	30 m Dedicated Transceiver Cable (CMP)	22
CBL5300-40CMP	40 m Dedicated Transceiver Cable (CMP)	22
CBL5300-50CMP	50 m Dedicated Transceiver Cable (CMP)	22
CBLRG-59	Coaxial-cable (75 Ω,Ø 5 mm) (unit: meter)	23
CBLRG-6/U	Coaxial-cable (75 Ω, Ø 7 mm) (unit: meter)	23
CBL8PS-01	1 m 8-pin Extension Cable (with a male plug and a female plug)	23
CBL8PS-03	3 m 8-pin Extension Cable (with a male plug and a female plug)	23
CBL8PS-05	5 m 8-pin Extension Cable (with a male plug and a female plug)	23
CBL8PS-10	10 m 8-pin Extension Cable (with a male plug and a female plug)	23
CBL8PS-20	20 m 8-pin Extension Cable (with a male plug and a female plug)	23
CBL8PS-30	30 m 8-pin Extension Cable (with a male plug and a female plug)	23

CBL8PS-40	40 m 8-pin Extension Cable (with a male plug and a female plug)	23
CBL8PS-50	50 m 8-pin Extension Cable (with a male plug and a female plug)	23
CBL8PP-02	2 m 8-pin Extension Cable (with two male plugs)	24
CBL-8P2RJ45S-01	1 m 8-pin to RJ45 converter cable (with a 8-pin male plug and a RJ45 socket, cat.5 Extension Cable	25
CBL-8S2RJ45S-01	1 m 8-pin to RJ45 converter cable (with a 8-pin female plug and a RJ45 socket, cat.5 Extension Cable with drain wire)	25 25
CBLRJ45-02	2 m Ethernet Extension Cable (with drain wire and shielded RJ45 plugs)	26
CBLRJ45-05	5 m Ethernet Extension Cable (with drain wire and shielded RJ45 plugs)	26
CBLRJ45-10	10 m Ethernet Extension Cable (with drain wire and shielded RJ45 plugs)	26
CBLRJ45-20	20 m Ethernet Extension Cable (with drain wire and shielded RJ45 plugs)	26
CBLRJ45-30	30 m Ethernet Extension Cable (with drain wire and shielded RJ45 plugs)	26
CBLRJ45-40	40 m Ethernet Extension Cable (with drain wire and shielded RJ45 plugs)	26
CBLRJ45-50	50 m Ethernet Extension Cable (with drain wire and shielded RJ45 plugs)	26
CBLCAT5E	Cat.5e Extension Cable (with drain wire, 305 m per roll, unit: meter)	26
RJ45-PLUG	Shielded RJ45 plug	26
BNC-M	BNC Connector (plug)	27
HCS-4352T/50	6-pin Cable Splitter (1 input & 3 outputs, for HCS-4100/50 and HCS-8300 series)	27
HCS-5352	Cable Splitter (1 input & 4 outputs, for HCS-5300T series)	27
HCS-4353N/06	6-pin Grounding Cable Connection Socket (for HCS-3900, HCS-4100/50 and HCS-8300 series)	28
DIN-6PM	Detachable 6-pin Standard Plug (male)	28
DIN-6PF	Solderable 6P-DIN Standard Socket (female) (insulating)	28
DIN-4PM	Detachable 4-pin Standard Plug(male)	28
DIN-4PF	Detachable 4-pin Standard Socket (female)	29
DIN-4SF	Solderable 4P-DIN Standard Socket (insulating)	29
DIN-8PM	Detachable 8P-DIN Standard Plug(male)	29
DIN-8PF	Detachable 8P-DIN Standard Socket (female)	29
DIN-8SF	Solderable 8P-DIN Standard Socket (insulating)	29
HCS-4345TK/50	Touched IC-Card Encoder (champagne panel + gray base)	30
HCS-5300TZJ2	Transceiver Stand (for HCS-5300TD/ HCS-5300TH / HCS-5390M)	30
HCS-MES-RCF	Rack Cabinet Frame (1 HCS-8600MES, 1 HCS-8300MES or 1 HCS-3900MES Extension Unit can be installed)	31
Multifunctional Storage Case		**32**
HCS-852KS	Multifunctional Storage Case(inner height 620 mm, free fit Foam Insert, holds up to 24 stem microphones in the case cover)	32
HCS-852S-CMU	Foam Insert (for 1 pc main unit with 2U high + 20 m extension cable)	32
HCS-852S-DStyle	Foam Insert (for 12 pcs HCS-4330/32 + 8 pcs stem microphones)	33
HCS-852S-GStyle	Foam Insert (for 10 pcs HCS-4886/87/88 + 6 pcs stem microphones)	33
HCS-852S-1U	Foam Insert (for 2 pcs units of 1U height and attached cables)	34
HCS-852S-4338	Foam Insert(for 16 pcs HCS-4338/HCS-3938 + 10 pcs stem microphones + attached cables)	34
HCS-852S-4385U	Foam Insert (for 6 pcs HCS-4385U/50 + 2 pcs stem microphones)	35
HCS-852S-5100T	Foam Insert (for 1 pc HCS-5100T+ 2 pcs HCS-4385U/50)	35

HCS-852S-5300CHG	Foam Insert (for 2 pcs HCS-5300CHG/08)	36
HCS-852S-5300D	Foam Insert (for 8 pcs 5300 wireless conference units)	36
HCS-852S-5300TD	Foam Insert (for 1 pc HCS-5300CHG/08 + 2 pcs HCS-5300TD)	37
HCS-852S-8338	Foam Insert (for 4 pcs HCS-8338/HCS-8335/HCS-8336 series Congress Terminals)	37
HCS-852S-4860	Foam Insert (for 8 pcs HCS-4860 series congress units)	38
HCS-852S-4866	Foam Insert (for 8 pcs HCS-4866/50 series congress units)	38
HCS-852S-4890	Foam Insert (for 12 pcs HCS-4890/50 series congress units + 12 pcs stem microphones)	39
HCS-852S-4891R	Foam Insert (for 8 pcs HCS-4891R/50(/2M) series congress units)	39
HCS-852S-8368A	Foam Insert (for 5 pcs HCS-8368A/50 series tabletop Congress Terminals)	40
HCS-852S-8385	Foam Insert (for 6 pcs HCS-8385/80 interpreter units)	40
HCS-853KS	Transport Cabinet (inner height 15U)	41
HCS-854KS	Portable Multifunctional Storage Case (inner height 299 mm, free fit Foam Insert)	42
HCS-854S-CMU	Foam Insert (for 1 pc main unit with 2U high)	43
HCS-854S-MIC	Foam Insert (for 11 stem microphones)	43
HCS-854S-4338	Foam Insert (for 10 pcs HCS-4338)	44
HCS-854S-4385U	Foam Insert (for 3 pcs HCS-4385U/50 + 4 pcs stem microphones)	44
HCS-854S-4886	Foam Insert (for 3 pcs HCS-4886/87/88 + 4 pcs stem microphones)	45
HCS-854S-5100T	Foam Insert (for 1 pc HCS-5100T)	45
HCS-854S-5300	Foam Insert (for 4 pcs HCS-5300 wireless conference units + 4 pcs stem microphones)	46
HCS-854S-8338	Foam Insert (for 3 pcs HCS-8338/HCS-8335/HCS-8336 series Congress Terminals)	46

Interpreter Booth and Shipping Case

HCS-851A/02	Interpreter Booth (accommodates 2 interpreters, internal dimensions is 200×160×160 cm, aluminum alloy framework convenience for disassembly, with a shipping case, total weight is 260 kg)	48
HCS-851K	Interpreter Booth Shipping Case (for HCS-851A/02)	48
HCS-851A/03	Interpreter Booth (accommodates 3 interpreters, internal dimensions is 200×240×160 cm, aluminum alloy framework convenience for disassembly, with 2 shipping case, total weight is 350 kg)	49
HCS-851KT	Interpreter Booth Shipping Case (for HCS-851A/03, HCS-851K needed)	49

EP-830 Single Earphone

Features

- Used with interpretation receiver or on a conference unit
- Hi-Fi sound quality
- Assembled with detachable shell, cable and earphone
- The shell can be removed and cleaned separately
- The cable can be replaced separately by customer if breaks
- Ø 3.5 mm stereo plug (TRS)
- 32 Ohm (Tip and Sleeve, Ring: NC)
- Frequency response: 20 Hz to 20 kHz
- Sensitivity: ≥108 dBA/1 mW
- Weight: ≤25 g

Ordering Information

EP-830 ..... Single Earphone (can be disassembled, TRS connector, Ring: NC)

EP-820AS Single Earphone

Features

- Used with the receiver or a conference unit
- Excellent sound quality
- Ø 3.5 mm stereo plug (TRS)
- 32 Ohm (Tip and Sleeve, Ring: NC)
- Frequency response: 50 Hz to 20 kHz
- Sensitivity: ≥102 dBA/1 mW
- Weight: 20 g

Ordering Information

EP-820AS ..... Single Earphone (TRS connector, Ring: NC)

EP-822 Single Inner Earphone

Features

- Used with the receiver or a conference unit
- Excellent sound quality
- Ø 3.5 mm stereo plug (TRS)
- 16 Ohm (Tip and Sleeve, Ring: NC)
- Frequency response: 20 Hz to 20 kHz
- Sensitivity: ≥90 dBA/1 mW
- Weight: 7 g

Ordering Information

EP-822 ..... Single Inner Earphone (TRS connector, Ring: NC)

EP-823L Single Earphone

Features

- Used with the receiver or a conference unit
- Excellent sound quality
- For the left ear
- Ø 3.5 mm stereo plug (TRS)
- 32 Ohm (Tip and Sleeve, Ring: NC)
- Frequency response: 20 Hz to 20 kHz
- Sensitivity: ≥103 dBA/1 mW
- Weight: 20 g

Ordering Information

EP-823L ..... Single Earphone (left, TRS connector, Ring: NC)

EP-823R Single Earphone

Features

- **Used with the receiver or a conference unit**
- **Excellent sound quality**
- **For the right ear**
- **Ø 3.5 mm stereo plug (TRS)**
- **32 Ohm (Tip and Sleeve, Ring: NC)**
- **Frequency response: 20 Hz to 20 kHz**
- **Sensitivity: ≥103 dBA/1 mW**
- **Weight: 20 g**

Ordering Information

EP-823L ..... Single Earphone (right, TRS connector, Ring: NC)

EP-829 Single Earphone

Features

- **Used with the receiver or a conference unit**
- **Excellent sound quality**
- **Earshell is detachable and washable, convenient for cleaning**
- **Ø 3.5 mm stereo plug (TRS)**
- **32 Ohm (Tip and Sleeve, Ring: NC)**
- **Frequency response: 20 Hz to 20 kHz**
- **Sensitivity: ≥108 dBA/1 mW**
- **Weight: 35 g**

Ordering Information

EP-829 ..... Single Earphone (ear pads can be striped, TRS connector, Ring: NC)

EP-960AN Interpreter Headset

Features

- **Incorporated with interpreter unit for monitoring and speaking**
- **Excellent sound quality**
- **Interpreters can wear the headset according to their habits**
- **One sided wire, provide better user experience**
- **Greater headband adjustability, suitable for all the users**
- **150 Ohm × 2，Ø 3.5 mm TRRS plug**
- **Frequency response of headphone: 20 Hz to 20 kHz**
- **Sensitivity of headphone: ≥108 dBA/1 mW**
- **Polar pattern of microphone: Omnidirectional**
- **Frequency response of microphone: 50 Hz to 20 kHz**
- **Sensitivity of microphone: -48 dBV/Pa**
- **Impedance of microphone: <680 Ohm**
- **Weight: 95 g**

Ordering Information

EP-960AN ..... Interpreter Headset (TRRS plug, stereo, for HCS-8385/80, including a pair of EP-960HD Detachable Earshells)

EP-960AH Interpreter Headset

Features

- **Incorporated with interpreter unit for monitoring and speaking**
- **Excellent sound quality**
- **Interpreters can wear the headset according to their habits**
- **One sided wire, provide better user experience**
- **Greater headband adjustability, suitable for all the users**
- **150 Ohm × 2，Ø 3.5 mm stereo plug (TRS) for headphone**
- **Ø 3.5 mm stereo plug (TRS, Ring: NC) for microphone**
- **Frequency response of headphone: 20 Hz to 20 kHz**
- **Sensitivity of headphone: ≥108 dBA/1 mW**
- **Polar pattern of microphone: Omnidirectional**
- **Frequency response of microphone: 50 Hz to 20 kHz**
- **Sensitivity of microphone: -48 dBV/Pa**
- **Impedance of microphone: <680 Ohm**
- **Weight: 109 g**

Ordering Information

EP-960AH ..... Interpreter Headset (stereo, for HCS-4385U/50, including a pair of EP-960HD Detachable Earshells)

EP-960BH Interpreter Headphones

Features

- **Incorporated with interpreter unit for monitoring**
- **Excellent sound quality**
- **One sided wire, provide better user experience**
- **Greater headband adjustability, suitable for all the users**
- **150 Ohm × 2，Ø 3.5 mm stereo plug (TRS) for headphone**
- **Frequency response of headphone: 20 Hz to 20 kHz**
- **Sensitivity of headphone: ≥108 dBA/1 mW**
- **Weight: 90 g**

Ordering Information

EP-960BH ..... Interpreter Headphones (stereo, including a pair of EP-960HD Detachable Earshells)

HCS-5100PA Headphones

Features

- **Used with the receiver or a conference unit**
- **Excellent sound quality**
- **32 Ohm × 2，Ø 3.5 mm stereo plug (TRS)**
- **Frequency response: 20 Hz to 20 kHz**
- **Sensitivity: ≥108 dBA/1 mW**
- **Weight: 70 g**

Ordering Information

HCS-5100PA ..... Headphones

Sponge Ear Pads

Features

- **Used for headphone**
- **50 pairs per package**
- **Color: black**

Ordering Information

HCS-5100PA-PAD ..... Sponge Ear Pads (thick, for new HCS-5100PA, 50 pairs/package)

EP-960SP-L ..... Sponge Ear Pads (Ø 70 mm, for EP-960 series headset, 10 pairs/package)

EP-960SP-S ..... Sponge Ear Pads (Ø 58 mm, for EP-960 series headset, 10 pairs/package)

EP-960HD Detachable Earshells

Features

- **Used for EP-960 series headset**
- **Earshell is detachable and washable, convenient for cleaning**
- **Color: black**

Ordering Information

EP-960HD ..... Detachable Earshells for EP-960 (for EP-960 series headset, 1 pair)

HCS-1020 Clip Microphone

Features

- **Stylish and ergonomic design**
- **Excellent immunity to RF interferences from mobile phones**
- **Ø 3.5 mm stereo plug with a 1.5-meter cable**

Technical Specifications

Electrical

Transducer	Electret-condenser
Polar pattern	Uni-directional
Operating voltage	5 VDC
Sensitivity	-46 dBA at 680 Ohm (0 dB = 1 V/Pa at 1 kHz)
Frequency response	30 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%)

Mechanical

Dimensions (h x w x d)	51 x 25 x 13 mm
Weight	3 g
Color	Black

Ordering Information

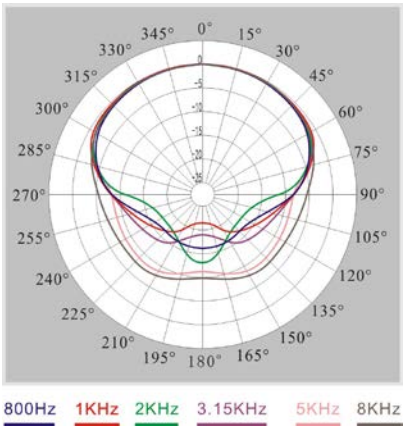
HCS-1020 ..... Clip Microphone

MSxxEGF1
Stem Microphone

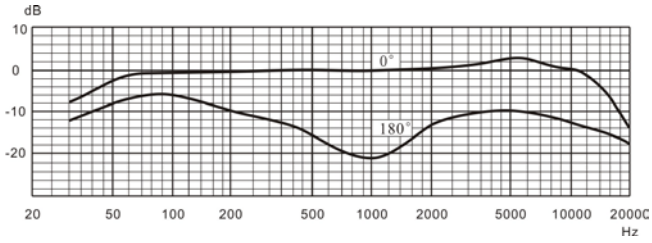
Features

- **With semi-rigid gooseneck arm**
- **Broadcast quality microphone**
- **With bi-color illuminated ring (green/red)**
- **With lockable windshield**
- **For HCS-4100, HCS-4800, HCS-5300, HCS-8300 and HCS-8600 series Congress Unit**

Polar pattern



Frequency response



Technical Specifications

Electrical

Transducer	Electret-condenser
Polar pattern	Uni-directional
Operating voltage	5 VDC
Sensitivity	-46 dBA at 680 Ohm (0 dB = 1 V/Pa at 1 kHz)
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%)

Mechanical

Length	33 cm, 41 cm, 47 cm
Weight	81 g, 86 g, 94 g
Color	Silver (PANTONE 401 C) / Black (PANTONE 419 C)

Ordering Information

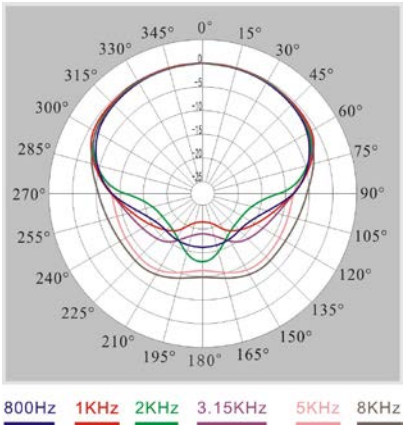
MS33EGF1S	Stem Microphone (33 cm, semi-rigid gooseneck arm, broadcast quality microphone, with bi-color illuminated ring and lockable windshield, for HCS-4100, HCS-4800, HCS-5300, HCS-8300 and HCS-8600 series, silver)
MS33EGF1B	Stem Microphone (33 cm, semi-rigid gooseneck arm, broadcast quality microphone, with bi-color illuminated ring and lockable windshield, for HCS-4100, HCS-4800, HCS-5300, HCS-8300 and HCS-8600 series, black)
MS41EGF1S	Stem Microphone (41 cm, semi-rigid gooseneck arm, broadcast quality microphone, with bi-color illuminated ring and lockable windshield, for HCS-4100, HCS-4800, HCS-5300, HCS-8300 and HCS-8600 series, silver)
MS41EGF1B	Stem Microphone (41 cm, semi-rigid gooseneck arm, broadcast quality microphone, with bi-color illuminated ring and lockable windshield, for HCS-4100, HCS-4800, HCS-5300, HCS-8300 and HCS-8600 series, black)
MS47EGF1S	Stem Microphone (47 cm, semi-rigid gooseneck arm, broadcast quality microphone, with bi-color illuminated ring and lockable windshield, for HCS-4100, HCS-4800, HCS-5300, HCS-8300 and HCS-8600 series, silver)
MS47EGF1B	Stem Microphone (47 cm, semi-rigid gooseneck arm, broadcast quality microphone, with bi-color illuminated ring and lockable windshield, for HCS-4100, HCS-4800, HCS-5300, HCS-8300 and HCS-8600 series, black)

MSxxEGF2B
Stem Microphone

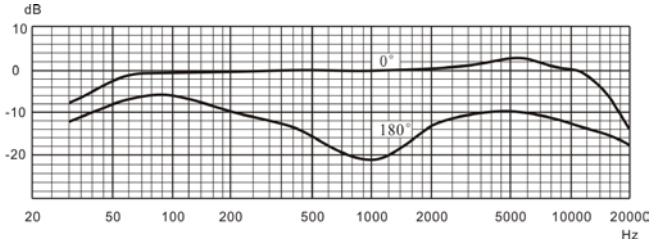
Features

- **With dual-flex gooseneck arm**
- **Broadcast quality microphone**
- **With bi-color illuminated ring (green/red)**
- **With lockable windshield**
- **For HCS-4100, HCS-4800, HCS-5300, HCS-8300 and HCS-8600 series Congress Unit**
- **Optional**

Polar pattern



Frequency response



Technical Specifications

Electrical

Transducer	Electret-condenser
Polar pattern	Uni-directional
Operating voltage	5 VDC
Sensitivity	-46 dBA at 680 Ohm (0 dB = 1 V/Pa at 1 kHz)
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%)

Mechanical

Length	50 cm, 60 cm, 70 cm
Color	Black (PANTONE 419 C)

Ordering Information

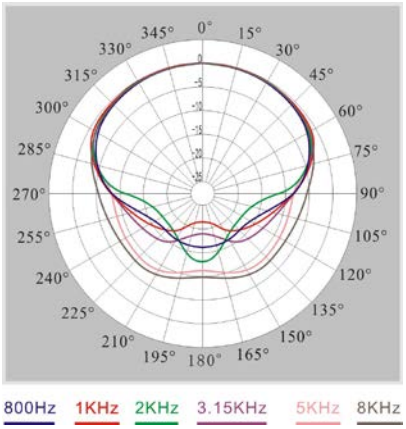
MS50EGF2B	Stem Microphone (50 cm, dual-flex gooseneck arm, broadcast quality microphone, with bi-color illuminated ring and lockable windshield, for HCS-4100, HCS-4800, HCS-5300, HCS-8300 and HCS-8600 series, optional, black)
MS60EGF2B	Stem Microphone (60 cm, dual-flex gooseneck arm, broadcast quality microphone, with bi-color illuminated ring and lockable windshield, for HCS-4100, HCS-4800, HCS-5300, HCS-8300 and HCS-8600 series, optional, black)
MS70EGF2B	Stem Microphone (70 cm, dual-flex gooseneck arm, broadcast quality microphone, with bi-color illuminated ring and lockable windshield, for HCS-4100, HCS-4800, HCS-5300, HCS-8300 and HCS-8600 series, optional, black)

MS33EGFS
Stem Microphone

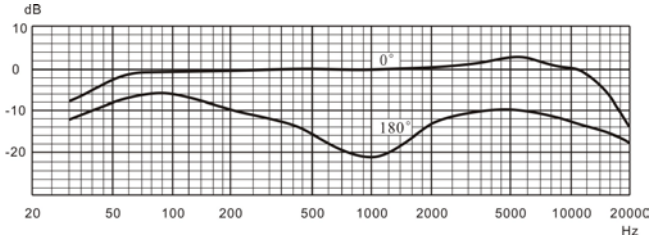
Features

- **With fully flexible gooseneck arm**
- **Broadcast quality microphone**
- **With bi-color illuminated ring (green/red)**
- **With lockable windshield**
- **MS33EGFSS: for HCS-4385U/50, HCS-8385/80, HCS-4385U/80 and HCS-8685 interpreter unit**
- **MS33EGFSB: for HCS-9385 RSI interpreter unit**

Polar pattern



Frequency response



Technical Specifications

Electrical

Transducer	Electret-condenser
Polar pattern	Uni-directional
Operating voltage	5 VDC
Sensitivity	-46 dBA at 680 Ohm (0 dB = 1 V/Pa at 1 kHz)
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%)

Mechanical

Length	33 cm
Color	Silver (PANTONE 401 C) / Black (PANTONE 419 C)

Ordering Information

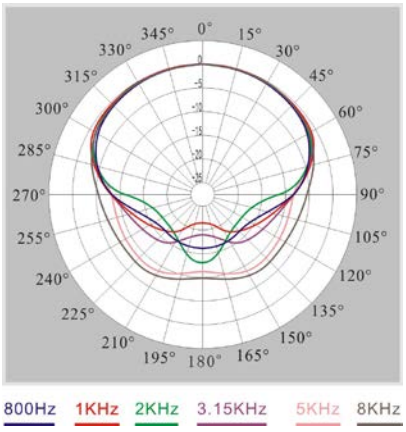
MS33EGFSS	Stem Microphone (33 cm, flexible gooseneck arm, broadcast quality microphone, with bi-color illuminated ring and lockable windshield, for interpreter unit, silver)
MS33EGFSB	Stem Microphone (33 cm, flexible gooseneck arm, broadcast quality microphone, with bi-color illuminated ring and lockable windshield, for HCS-9385 RSI interpreter unit, black)

MSxxEHA1B
Stem Microphone

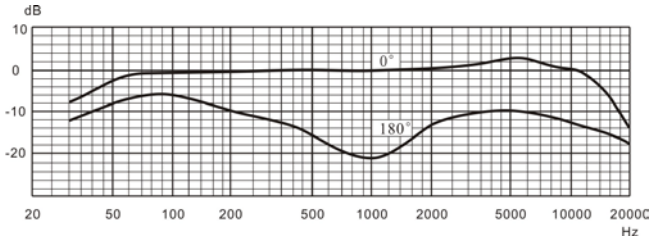
Features

- **With semi-rigid gooseneck arm**
- **Broadcast quality microphone**
- **14 mm uni-directional electret condenser microphone**
- **With bi-color illuminated ring (green/red)**
- **With windshield**
- **For HCS-4100, HCS-4800, HCS-5300, HCS-8300 and HCS-8600 series Congress Unit**
- **Optional**

Polar pattern



Frequency response



Technical Specifications

Electrical

Transducer	Electret-condenser
Polar pattern	Uni-directional
Operating voltage	5 VDC
Sensitivity	-38 dBA at 680 Ohm (0 dB = 1 V/Pa at 1 kHz)
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	110 dB (THD<3%)

Mechanical

Length	33 cm, 41 cm, 47 cm
Weight	110 g, 117 g, 124 g
Color	Black (PANTONE 419 C)

Ordering Information

MS33EHA1B	Stem Microphone (33 cm, semi-rigid gooseneck arm, broadcast quality microphone, 14 mm uni-directional electret condenser microphone, with bi-color illuminated ring and windshield, for HCS-4100, HCS-4800, HCS-5300, HCS-8300 and HCS-8600 series, optional, black)
MS41EHA1B	Stem Microphone (41 cm, semi-rigid gooseneck arm, broadcast quality microphone, 14 mm uni-directional electret condenser microphone, with bi-color illuminated ring and windshield, for HCS-4100, HCS-4800, HCS-5300, HCS-8300 and HCS-8600 series, optional, black)
MS47EHA1B	Stem Microphone (47 cm, semi-rigid gooseneck arm, broadcast quality microphone, 14 mm uni-directional electret condenser microphone, with bi-color illuminated ring and windshield, for HCS-4100, HCS-4800, HCS-5300, HCS-8300 and HCS-8600 series, optional, black)

MIC-CAPM Windshield - lockable

Features

- **Lockable windshield**
- **For MS**EGF series stem microphone**
- **Optional**
- **Color: gray (PANTONE 446 C) / black (PANTONE 419 C)**

Ordering Information

MIC-CAPM_G ..... Lockable Windshield
(for MS**EGF series stem microphone, optional, gray)

MIC-CAPM_B ..... Lockable Windshield
(for MS**EGF series stem microphone, optional, black)

MIC-SK-V
Stem Microphone Fixing Base

Features

- **Fix 5P E type stem microphone on the desk**
- **6P mini DIN interface with 1.0-meter cable**

Technical Specifications

Mechanical

Dimensions (diameter × h) ..... Ø 50 × 22 mm
Weight ..... 0.1 kg
Color ..... Brown (PANTONE 1685 U)

Ordering Information

MIC-SK-V ..... Stem Microphone Fixing Base (tabletop)

HCS-5300BAT
Lithium Rechargeable Battery Pack

Features

- Lithium rechargeable battery pack
- Used for supplying power to HCS-5300/80 series digital infrared wireless conference unit

Technical Specifications

Electrical

Nominal voltage	11.1 V DC
Nominal capacity	4400 mAh

Mechanical

Dimensions (h x w x d)	28 × 140 × 58 mm
Weight	0.3 kg
Color	Black

Ordering Information

HCS-5300BAT	Lithium Rechargeable Battery Pack (11.1 V DC, for HCS-5300/01/02 series conference unit)

HCS-5300CHG/08 Charging Unit

Features

- Used for charging HCS-5300BAT Lithium batteries
- Charges 8 pcs of HCS-5300BAT batteries per charging
- Uses universal power supply with automatic voltage matching

Controls and Indicators

- Power switch
- Charging indicator (red)
- Fully charged indicator or battery not inserted (green)

Interconnections

- Power output interface
- Power input interface
- Charging lattices

Technical Specifications

Electrical

Power supply	AC 100 V -240 V 50 Hz/60 Hz
Power consumption	Max. 380 W
Charging time	Approx 6 hours
Charging capacity	8 HCS-5300BAT batteries

Mechanical

Dimensions (h x w x d)	74 × 288 × 300 mm
Weight	4.5 kg
Color	White

Ordering Information

HCS-5300CHG/08	Charging Unit (8 pcs/case, for HCS-5300BAT)

HCS-5300CHG/06 Charging Unit

Features

- Used for charging HCS-5380/81 series wireless unit
- Charges 6 pcs of HCS-5380 series, HCS-5381C/D and HCS-5381RC/RD units per charging
- Power supply: 9 VDC, 6 A adapter

Controls and Indicators

- Charging indicator
- Power indicator

Technical Specifications

Electrical

Power supply	9 VDC, 6 A adapter
Power consumption	Max. 50 W
Charging time	Approx 4 hours
Charging capacity	6 HCS-5380 units

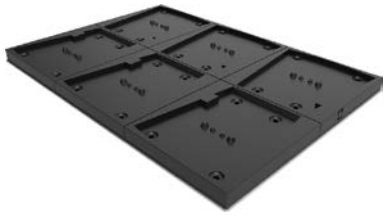
Mechanical

Dimensions (h x w x d)	21 × 448 × 316 mm
Weight	0.4 kg
Color	Black

Ordering Information

HCS-5300CHG/06	Charging Unit (6 pcs/case, for HCS-5380 series, HCS-5381C/D and HCS-5381RC/RD units)

HCS-5300CHG/06A Charging Unit



Features

- Used for charging HCS-5380 and HCS-5381 series (w/o. HCS-5381R series) wireless unit
- Charges 6 pcs of HCS-5380 series units, HCS-5381C/D and per charging, HCS-5381RC/RD units is unavailable
- Power supply: 9 VDC, 6 A adapter

Controls and Indicators

- Charging indicator
- Power indicator

Technical Specifications

Electrical

Power supply	9 VDC, 6 A adapter
Power consumption	Max. 50 W
Charging time	Approx 4 hours
Charging capacity	6 HCS-5380 units

Mechanical

Dimensions (h x w x d)	21 × 448 × 316 mm
Weight	0.4 kg
Color	Black

Ordering Information

HCS-5300CHG/06A	Charging Unit (6 pcs/case, for HCS-5380 series, HCS-5381C/D (w/o. HCS-5381R series) conference unit)

HCS-ADP15V Power Adapter

Features

- Used for supplying power to HCS-5300/80 series digital infrared wireless conference unit

Technical Specifications

Electrical

Power supply	AC 100 V - 240 V, 50 Hz / 60 Hz
Output	15 V DC, 2.4 A
Connector	UL, CE or VDE type, according to the sales area

Mechanical

Cable length	3 m
Dimensions (h x w x d)	28 × 95 × 45 mm
Weight	0.3 kg
Color	Black

Ordering Information

HCS-ADP15V	Power Adapter (15 V DC, 2.4 A, for HCS-5300/01/02 series conference unit，HCS-8319N)

HCS-ADP24V Power Adapter

Features

- Used for supplying power to HCS-5300TH/80 Digital Infrared Transceiver

Technical Specifications

Electrical

Power supply	AC 100 V - 240 V, 50 Hz / 60 Hz
Output	24 V DC, 1.5 A
Connector	UL, CE or VDE type, according to the sales area

Mechanical

Cable length	3 m
Dimensions (h x w x d)	28 × 95 × 45 mm
Weight	0.3 kg
Color	Black

Ordering Information

HCS-ADP24V	Power Adapter (24 V DC, 1.5 A, for HCS-5300TH)

HCS-ADP24V2 Power Adapter

Features

- Used for supplying power to HCS-5300TWN Digital Infrared Transceiver

Technical Specifications

Electrical

Power supply	AC 100 V - 240 V, 50 Hz / 60 Hz
Output	24 V DC, 1.5 A
Connector	UL, CE or VDE type, according to the sales area

Mechanical

Cable length	3 m
Dimensions (h x w x d)	28 × 95 × 45 mm
Weight	0.3 kg
Color	Black

Ordering Information

HCS-ADP24V2	Power Adapter (24 V DC, 1.5 A, for HCS-5300TWN)

HCS-ADP48V Power Adapter

Features

- **Used for supplying power to HCS-8368T/50**

Technical Specifications

Electrical

Power supply	AC 100 V - 240 V, 50 Hz / 60 Hz
Output	48 V DC, 1.875 A
Connector	UL, CE or VDE type, according to the sales area

Mechanical

Cable length	3 m
Dimensions (h x w x d)	33 × 150 × 62 mm
Weight	0.5 kg
Color	Black

Ordering Information

HCS-ADP48V	Power Adapter (48 V DC, 1.875 A, for HCS-8368T/50, HCS-8685BM)

TES-ADP5V Power Adapter

Features

- **Used for charging HCS-5380/5381 series conference unit**

Technical Specifications

Electrical

Power supply	AC 100 V - 240 V, 50 Hz / 60 Hz
Output	5 V DC, 2.0 A
Connector	UL, CE or VDE type, according to the sales area

Mechanical

Cable length	1 m
Dimensions (h x w x d)	43 × 39 × 27 mm
Weight	50 g
Color	White

Ordering Information

TES-ADP5V	Power Adapter (5 V DC, 2.0 A, for HCS-5380/5381 series conference unit)

CBL2SS
2-pin Cable for Conference System

Features

- **Connecting HCS-8300KMX with HCS-8300PM/ HCS-8300PM2**
- **Standard connectors (2P aviation socket at each end)**
- **Length: 1 m**

Ordering Information

CBL2SS-01 ..... 1 m 2-pin Cable (with two sockets)

CBL2SS-01CMP ..... 1 m 2-pin Cable (with two sockets, CMP)

CBL4PK
Power Adapter Cable

Features

- **For HCS-8300PM/HCS-8300PM2/HCS-8300KMX or HCS-8600MX supplies power to HCS-8338, HCS-8348, HCS-8368, HCS-8668 and HCS-8638 series Paperless Multi-media Congress Terminal**
- **Standard connectors (a 2P aviation socket at one end and a 4P-DIN socket at the opposite end)**
- **Length: 1 m**

Ordering Information

CBL4PK-01CMP ..... 1 m Power Adapter Cable (for HCS-8300PM/PM2/KMX or HCS-8600MX, supplies power to HCS-8338, HCS-8348, HCS-8368, HCS-8668 and HCS-8638, CMP)

CBL4PS 4-pin Extension Cable

Features

- **Extension cable for connecting HCS-8338 and HCS-8348 series Paperless Multi-media Congress Terminal**
- **Standard connectors (a plug at one end and a socket at the opposite end)**
- **Optional: 5 m, 10 m, 20 m, 30 m, 40 m and 50 m available**

Ordering Information

CBL4PS-05CMP ..... 5 m 4-pin Extension Cable (with a plug and a socket, CMP)

CBL4PS-10CMP ..... 10 m 4-pin Extension Cable (with a plug and a socket, CMP)

CBL4PS-20CMP ..... 20 m 4-pin Extension Cable (with a plug and a socket, CMP)

CBL4PS-30CMP ..... 20 m 4-pin Extension Cable (with a plug and a socket, CMP)

CBL4PS-40CMP ..... 20 m 4-pin Extension Cable (with a plug and a socket, CMP)

CBL4PS-50CMP ..... 50 m 4-pin Extension Cable (with a plug and a socket, CMP)

4-pin Professional Extension Cable for Conference System

Features

- **For embedding system cables**
- **Conductor: 18AWGx4C**

Ordering Information

CBL4C-CMP ..... Professional Extension Cable for Conference System (4-pin，18AWGx4C，CMP)

CBL4PT Power Branch Cable

Features

- **Power branch cable for "daisy-chain" supplying power to HCS-8338, HCS-8348, HCS-8368, HCS-8668 and HCS-8638 series Paperless Multi-media Congress Terminal**
- **Input end: 4P-DIN plug**
- **Output end: 4P-DIN socket and a DC plug**
- **Length: 2 m**

Ordering Information

CBL4PT-02ACMP ..... 2 m Power Branch Cable (for HCS-8338, HCS-8348, HCS-8368, HCS-8668 and HCS-8638 series Paperless Multi-media Congress Terminal, CMP)

Professional Extension Cable for Conference System

Features

- **For embedding system cables**
- **CBLS-UTP：S-UTP Core of Cat.5e Extension Cable :with 4x2x(7x0.2)+96x0.12 Steel wire braided shielding mesh**
- **CBLS-FTP-CMP: S-FTP Core of Cat.5e Extension Cable :with 4x2x(7x0.2)+96x0.12 Steel wire braided shielding mesh**

Ordering Information

CBLS-UTP ..... Professional Extension Cable for Conference System

CBLS-FTP-CMP ..... Professional Extension Cable for Conference System (CMP)

CBL6PP 6-pin Extension Cable

Features

- **Connecting conference main units**
- **Standard connectors (6P-DIN plug at each end)**
- **Cable: S-UTP CABLE or FTP CABLE (CMP)**
- **Cable conductor: 4x2x(7x0.2)+96x0.12**
- **Length: 2 m**
- **Used for HCS-3900 series, HCS-4100/50 series and HCS-8300 series**

Ordering Information

CBL6PP-02 ..... 2 m 6-pin Extension Cable (with two plugs)

CBL6PP-02CMP ..... 2 m 6-pin Extension Cable (with two plugs, CMP)

CBL6PS 6-pin Extension Cable

Features

- **Connecting conference main unit with contribution unit when cable extensions are needed**
- **Standard connectors (6P-DIN plug and 6P-DIN socket)**
- **Cable: S-UTP CABLE or FTP CABLE (CMP)**
- **Cable conductor: 4x2x(7x0.2)+96x0.12**
- **Optional: 3 m, 5 m, 10 m, 20 m, 30 m, 40 m and 50 m available**
- **Used for HCS-3900 series, HCS-4100/50 series and HCS-8300 series**

Ordering Information

CBL6PS-01 1 m 6-pin Extension Cable (with a plug and a socket)

CBL6PS-03 3 m 6-pin Extension Cable (with a plug and a socket)

CBL6PS-05 5 m 6-pin Extension Cable (with a plug and a socket)

CBL6PS-10 10 m 6-pin Extension Cable (with a plug and a socket)

CBL6PS-20 20 m 6-pin Extension Cable (with a plug and a socket)

CBL6PS-30 30 m 6-pin Extension Cable (with a plug and a socket)

CBL6PS-40 40 m 6-pin Extension Cable (with a plug and a socket)

CBL6PS-50 50 m 6-pin Extension Cable (with a plug and a socket)

CBL6PS-03CMP ..... 3 m 6-pin Extension Cable (with a plug and a socket, CMP)

CBL6PS-05CMP ..... 5 m 6-pin Extension Cable (with a plug and a socket, CMP)

CBL6PS-10CMP ..... 10 m 6-pin Extension Cable (with a plug and a socket, CMP)

CBL6PS-20CMP ..... 20 m 6-pin Extension Cable (with a plug and a socket, CMP)

CBL6PS-30CMP ..... 30 m 6-pin Extension Cable (with a plug and a socket, CMP)

CBL6PS-40CMP ..... 40 m 6-pin Extension Cable (with a plug and a socket, CMP)

CBL6PS-50CMP ..... 50 m 6-pin Extension Cable (with a plug and a socket, CMP)

CBL5300 Dedicated Transceiver Cable

Features

- **Dedicated cable for HCS-5300TD/TDS**
- **1 × 6P-DIN male plug**
- **1 × 6P-DIN female socket**
- **Optional: 5 m, 10 m, 20 m, 30 m, 40 m and 50 m available**
- **Ø 6 mm**
- **Color: black**
- **Attention: cable looks identical to CBL6PS but pin-assignment differs!! Please do not mix up!**

Ordering Information

CBL5300-05 ..... 5 m Dedicated Transceiver Cable

CBL5300-10 ..... 10 m Dedicated Transceiver Cable

CBL5300-20 ..... 20 m Dedicated Transceiver Cable

CBL5300-30 ..... 30 m Dedicated Transceiver Cable

CBL5300-40 ..... 40 m Dedicated Transceiver Cable

CBL5300-50 ..... 50 m Dedicated Transceiver Cable

CBL5300-05CMP ..... 5 m Dedicated Transceiver Cable (CMP)

CBL5300-10CMP ..... 10 m Dedicated Transceiver Cable (CMP)

CBL5300-20CMP ..... 20 m Dedicated Transceiver Cable (CMP)

CBL5300-30CMP ..... 30 m Dedicated Transceiver Cable (CMP)

CBL5300-40CMP ..... 40 m Dedicated Transceiver Cable (CMP)

CBL5300-50CMP ..... 50 m Dedicated Transceiver Cable (CMP)

Coaxial-cable

Features

- **Equivalent impedance: 75 Ohm**
- **Ø 5 mm (CBLRG-59)**
- **Ø 7 mm (CBLRG-6/U)**
- **Length of per roll：300 meter**

Ordering Information

CBLRG-59 ..... Coaxial-cable (75 Ω)

CBLRG-6/U ..... Coaxial-cable (75 Ω)

CBL8PS 8-pin Extension Cable

Features

- **Connecting conference main unit with contribution unit when cable extensions are needed**
- **Both ends are 8P-DIN male plug and 8P-DIN female plug**
- **Cable: S-UTP CABLE or FTP CABLE**
- **Cable conductor: 4x2x(7x0.2)+96x0.12**
- **Optional: 3 m, 5 m, 10 m, 20 m, 30 m, 40 m and 50 m available**
- **Used for HCS-4800 series and HCS-8600 series**

Ordering Information

CBL8PS-01 ..... 1 m 8-pin Extension Cable (with a male plug and a female plug)

CBL8PS-03 ..... 3 m 8-pin Extension Cable (with a male plug and a female plug)

CBL8PS-05 ..... 5 m 8-pin Extension Cable (with a male plug and a female plug)

CBL8PS-10 ..... 10 m 8-pin Extension Cable (with a male plug and a female plug)

CBL8PS-20 ..... 20 m 8-pin Extension Cable (with a male plug and a female plug)

CBL8PS-30 ..... 30 m 8-pin Extension Cable (with a male plug and a female plug)

CBL8PS-40 ..... 40 m 8-pin Extension Cable (with a male plug and a female plug)

CBL8PS-50 ..... 50 m 8-pin Extension Cable (with a male plug and a female plug)

CBL8PP 8-pin Extension Cable

Features

- **Connecting conference main units**
- **Loop connection for congress units**
- **Standard connectors (8P-DIN plug at each end)**
- **Cable: S-UTP CABLE or FTP CABLE**
- **Cable conductor: 4x2x(7x0.2)+96x0.12**
- **Length: 2 m**
- **Used for HCS-4800 series and HCS-8600 series**

Ordering Information

CBL8PP-02 ..... 2 m 8-pin Extension Cable (with two male plugs)

CBL8P2RJ45S
8-pin to RJ45 converter cable

Features

- **Suitable for HCS-4800 series and HCS-8600 series conference systems**
- **Standard connectors (8P-DIN male plug at one end and a RJ45 socket at the opposite end)**
- **Cable: FTP CABLE with drain wire**
- **Length: 1 m**

Ordering Information

CBL8P2RJ45S-01 ..... 1 m 8-pin Convert Cable (with an 8-pin male plug and a RJ45 socket, cat.5e Extension Cable with drain wire)

CBL8S2RJ45S
8-pin to RJ45 converter cable

Features

- **Suitable for HCS-4800 series and HCS-8600 series conference systems**
- **Standard connectors (8P-DIN female plug at one end and a RJ45 socket at the opposite end)**
- **Cable: FTP CABLE with drain wire**
- **Length: 1 m**

Ordering Information

CBL8S2RJ45S-01	1 m 8-pin Convert Cable (with an 8-pin female plug and a RJ45 socket, cat.5e Extension Cable with drain wire)

CBL8P2RJ45
8-pin to RJ45 converter cable

Features

- **Suitable for HCS-4800 series and HCS-8600 series conference systems**
- **Standard connectors (8P-DIN male plug at one end and a RJ45 plug at the opposite end)**
- **Cable: FTP CABLE with drain wire**
- **Length: 1 m**

Ordering Information

CBL8P2RJ45-01	1 m 8-pin Convert Cable (with an 8-pin male plug and a RJ45 plug, cat.5e Extension Cable with drain wire)

CBLRJ45 Ethernet Extension Cable

Features

- **Cable: FTP CABLE with drain wire**
- **Standard connectors (shielded RJ45 plug at each end)**
- **Cable conductor: 4x2x(7x0.2)+7x0.2**
- **Metal shield connected with drain wire**
- **Optional: 3 m, 5 m, 10 m, 20 m, 30 m, 40 m and 50 m available**
- **Used for HCS-4800 series, HCS-8600 series and education equipment**

Ordering Information

CBLRJ45-02 ..... 2 m Ethernet Extension Cable (with drain wire and shielded RJ45 plugs)

CBLRJ45-05 ..... 5 m Ethernet Extension Cable (with drain wire and shielded RJ45 plugs)

CBLRJ45-10 ..... 10 m Ethernet Extension Cable (with drain wire and shielded RJ45 plugs)

CBLRJ45-20 ..... 20 m Ethernet Extension Cable (with drain wire and shielded RJ45 plugs)

CBLRJ45-30 ..... 30 m Ethernet Extension Cable (with drain wire and shielded RJ45 plugs)

CBLRJ45-40 ..... 40 m Ethernet Extension Cable (with drain wire and shielded RJ45 plugs)

CBLRJ45-50 ..... 50 m Ethernet Extension Cable (with drain wire and shielded RJ45 plugs)

CBLCAT5E

Features

- **For embedding system cables**
- **Cable: FTP CABLE with drain wire**
- **Cable conductor: 4x2x(7x0.2)+7x0.2**
- **Length of per roll：305 meter**

Ordering Information

CBLCAT5E ..... Cat.5e Extension Cable (with drain wire, 305 m per roll)

RJ45- PLUG

Features

- **For Ethernet cable making**
- **With metal shield**
- **Used in conjunction with FTP CABLE with drain wire**
- **Metal shield connected with drain wire**

Ordering Information

RJ45-PLUG ..... Shielded RJ45 plug

BNC-M BNC Connector

Features

- **Used to connect HCS-5100M and HCS-5100T or between HCS-5100T**
- **Used with Coaxial-cable**

Ordering Information

BNC-M	BNC Connector (plug)

HCS-4352T/50 6-pin Cable Splitter

Features

- **Relay facility, amplification of the communication signals**
- **6P-DIN interfaces, "1 in / 3 out " structure for connection**
- **2m-cable with a 6P-DIN connector at the input end**
- **Three 6PIN output interfaces, can drive 70-meter long extension cable**
- **Dimensions (h × w × d): 35 × 149 × 90 mm**

Ordering Information

HCS-4352T/50	6-pin Cable Splitter (1 input & 3 outputs, for HCS-4100/50 and HCS-8300 series)

HCS-5352 1×4 Cable Splitter

Features

- Has one in and four out structure
- Each main unit has 6 digital infrared transceiver interfaces, each interface can connect 4 transceivers if operating distributor HCS-5352

Interconnections

- 4 × 6P-DIN sockets
- 2 m cable with 6P-DIN plug

Technical Specifications

Electrical

Voltage	33 V DC (supplied from HCS-5300M)
Number of I/O terminals	1 in / 4 out

Mechanical

Dimensions (h x w x d)	35 × 149 × 90 mm
Weight	0.32 kg
Color	Black

Ordering Information

HCS-5352	Cable Splitter (1 input & 4 outputs, for HCS-5300T series)

HCS-4353N/06
6-pin Grounding Cable Connection Socket

Features

- **For embedding cables to connect conference unit**
- **For connecting to HCS-3900 series, HCS-4100/50 series or HCS-8300 series conference unit**
- **Interface: 2 × 6P-DIN female socket**
- **With 6P-DIN male and female cables for connection to conference systems**
- **The circuit ground pin of the socket is isolated from the protective earth**

Ordering Information

HCS-4353N/06	6-pin Grounding Cable Connection Socket (for HCS-3900, HCS-4100/50 and HCS-8300 series)

Detachable 6P-DIN Standard Plug

Features

- **For soldering to 6P-DIN cable**
- **Removable DIN standard connector (6PIN-DIN)**

Ordering Information

DIN-6PM	Detachable 6P-DIN Standard Plug (male)

Solderable 6P-DIN Standard Socket

Features

- **For soldering to 6P-DIN cable**
- **Solderable 6P-DIN female socket with insulated isolation**
- **The circuit ground pin of the socket is isolated from the protective earth**

Ordering Information

DIN-6SF	Solderable 6P-DIN Standard Socket (insulating)

Detachable 4P-DIN Standard Plug and Socket

Features

- **For soldering to 4P-DIN cable**
- **Removable DIN standard male connector (4-PIN)**

Ordering Information

DIN-4PM ..... Detachable 4P-DIN Standard Plug(male)
DIN-4PF ..... Detachable 4P-DIN Standard Plug(female)

Detachable 8P-DIN Standard Plug and Socket

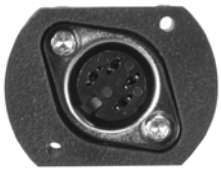
Features

- **For soldering to 8P-DIN cable**
- **Removable DIN standard male connector (8-PIN)**

Ordering Information

DIN-8PM ..... Detachable 8P-DIN Standard Plug(male)
DIN-8PF ..... Detachable 8P-DIN Standard Plug(female)

Solderable 4P-DIN Standard Socket



Features

- **For 4P-DIN extension cable welding**
- **Solderable 4P-DIN standard socket insulated isolation**
- **The circuit ground pin of the socket is isolated from the protective earth**

Ordering Information

DIN-4SF ..... Solderable 4P-DIN Standard Socket (insulating)

Solderable 8P-DIN Standard Socket

Features

- **For 8P-DIN extension cable welding**
- **Solderable 8P-DIN standard socket with insulated isolation**
- **The circuit ground pin of the socket is isolated from the protective earth**

Ordering Information

DIN-8SF ..... Solderable 8P-DIN Standard Socket (insulating)

HCS-4345TK/50
Touched IC-Card Encoder

Features

- **Encoding unit to produce the touched IC-Card. The IC-Card may be used to grant access to a sign-in system**
- **PC connection via type A USB interface**
- **Smart design**

Technical Specifications

Interconnections

- Type A USB interface for connection to computer

Mechanical

Mounting	Tabletop
Dimensions (h × w × d)	66 × 84 × 121 mm
Weight	0.2 kg
Color	Champagne panel (PANTONE 401 C) + gray base (PANTONE 424 C)

Ordering Information

HCS-4345TK/50	Touched IC-Card Encoder (champagne panel + gray base)

HCS-5300TZJ2 Transceiver Stand

Technical Specifications

Mechanical

Mounting	Floor-type
Height	1.1 m ~ 2.7 m, adjustable
Weight	3.9 kg
Color	Black (PANTONE 419 C)

Ordering Information

HCS-5300TZJ2	Transceiver Stand (for HCS-5300TD/ HCS-5300TH / HCS-5390M)

HCS-MES-RCF

Features

- **Cabinet installation accessory (mounted in a 19" rack)**
- **1U high**
- **For HCS-8300MES, HCS-8600MES and HCS-3900MES extension unit**

Ordering Information

HCS-MES-RCF	Rack Cabinet Frame (1 HCS-8600MES, 1 HCS-8300MES or 1 HCS-3900MES Extension Unit can be installed)

HCS-852KS
Multifunctional Storage Case

Features

- **Used for storing and transporting TAIDEN series products**

Technical Specifications

Mechanical

Dimensions h x w x d (mm)	
Outside	890 × 760 × 590
Inside	620 × 705 × 535
Net weight	31.0 kg
Color	Blue

Ordering Information

HCS-852KS	Multifunctional Storage Case (inner height 620 mm, free fit Foam Insert, holds up to 24 stem microphones in the case cover)

HCS-852S-CMU
Foam Insert

Features

- **Used to secure Conference System Main Unit and Extension Cable**
- **Stores up to 1 pc main unit with 2U high + 20-meter extension cable**

Technical Specifications

Mechanical

Dimensions h x w x d (mm)	118 × 700 × 530
Net weight	1.0 kg
Color	Black

Ordering Information

HCS-852S-CMU	Foam Insert (for 1 pc main unit with 2U high+ 20 m extension cable)

HCS-852S-DStyle Foam Insert

Features

- **Used to secure HCS-4330/32 congress units and stem microphones**
- **Stores up to 12 pcs HCS-4330/32 congress units + 8 pcs stem microphones**

Technical Specifications

Mechanical

Dimensions h x w x d (mm)	100 × 700 × 530
Net weight	0.9 kg
Color	Black

Ordering Information

HCS-852S-Dstyle	Foam Insert (for 12 pcs HCS-4330/32 + 8 pcs stem microphones)

HCS-852S-GStyle Foam Insert

Features

- **Used to secure HCS-4886/87/88 congress units and stem microphones**
- **Stores up to 10 pcs HCS-4886/87/88 congress units + 6 pcs stem microphones**

Technical Specifications

Mechanical

Dimensions h x w x d (mm)	150 × 700 × 530
Net weight	1.0 kg
Color	Black

Ordering Information

HCS-852S-Gstyle	Foam Insert (for 10 pcs HCS-4886/87/88 + 6 pcs stem microphones)

HCS-852S-1U
Foam Insert

Features

- **Used to secure 2 pcs devices of 1U height and attached cables**
- **Stores up to 2 pcs devices of 1U height and attached cables**

Technical Specifications

Mechanical

Dimensions h x w x d (mm)	55 × 700 × 530
Net weight	0.7 kg
Color	Black

Ordering Information

HCS-852S-1U	Foam Insert (for 2 pcs devices of 1U height and attached cables)

HCS-852S-4338
Foam Insert

Features

- **Used to secure HCS-3638/HCS-4338/HCS-3938 conference units, stem microphones and attached cables**
- **Stores up to 16 pcs HCS-3638/HCS-4338/HCS-3938 conference units + 10 pcs stem microphones + attached cables**

Technical Specifications

Mechanical

Dimensions h x w x d (mm)	150 × 700 × 530
Net weight	1.0 kg
Color	Black

Ordering Information

HCS-852S-4338	Foam Insert (for 16 pcs HCS-3638/HCS-4338/HCS-3938 + 10 pcs stem microphones + attached cables)

HCS-852S-4385U
Foam Insert

Features

- **Used to secure HCS-4385U/50 interpreter units and stem microphones**
- **Stores up to 6 pcs HCS-4385U/50 interpreter units + 2 pcs stem microphones**

Technical Specifications

Mechanical

Dimensions h x w x d (mm)	100 × 700 × 530
Net weight	0.9 kg
Color	Black

Ordering Information

HCS-852S-4385U	Foam Insert (for 6 pcs HCS-4385U/50 + 2 pcs stem microphones)

HCS-852S-5100T
Foam Insert

Features

- **Used to secure HCS-5100T Digital Infrared Radiator and HCS-4385U/50 Interpreter Units**
- **Stores up to 1 pc HCS-5100T + 2 pcs HCS-4385U/50**

Technical Specifications

Mechanical

Dimensions h x w x d (mm)	200 × 700 × 530
Net weight	1.6 kg
Color	Black

Ordering Information

HCS-852S-5100T	Foam Insert (for 1 pc HCS-5100T + 2 pcs HCS-4385U/50)

HCS-852S-5300CHG
Foam Insert

Features

- **Used to secure HCS-5300CHG/08 Charging Units**
- **Stores up to 2 pcs HCS-5300CHG/08**

Technical Specifications

Mechanical

Dimensions h x w x d (mm)	100 × 700 × 530
Net weight	1.0 kg
Color	Black

Ordering Information

HCS-852S-5300CHG	Foam Insert (for 2 pcs HCS-5300CHG/08)

HCS-852S-5300D
Foam Insert

Features

- **Used to secure HCS-5300 Series Digital Infrared Wireless Conference Units**
- **Stores up to 8 pcs HCS-5300 Digital Infrared Wireless Conference Units**

Technical Specifications

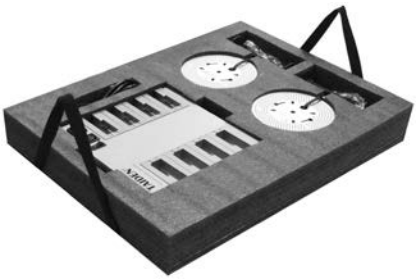
Mechanical

Dimensions h x w x d (mm)	100 × 700 × 530
Net weight	1.0 kg
Color	Black

Ordering Information

HCS-852S-5300D	Foam Insert (for 8 pcs HCS-5300 wireless conference units)

HCS-852S-5300TD
Foam Insert



Features

- **Used to secure HCS-5300CHG/08 Charging Unit and HCS-5300TD Digital Infrared Transceiver**
- **Stores up to 1 pc HCS-5300CHG/08 + 2 pcs HCS-5300TD**

Technical Specifications

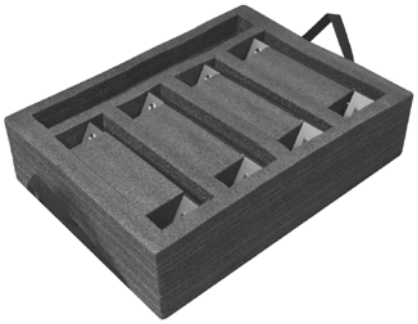
Mechanical

Dimensions h x w x d (mm)	100 × 700 × 530
Net weight	1.0 kg
Color	Black

Ordering Information

HCS-852S-5300TD	Foam Insert (for 1 pc HCS-5300CHG/08 + 2 pcs HCS-5300TD)

HCS-852S-8338
Foam Insert



Features

- **Used to secure HCS-8338/HCS-8335 Multimedia Congress Terminals**
- **Stores up to 4 pcs HCS-8338/HCS-8335 Multimedia Congress Terminals**

Technical Specifications

Mechanical

Dimensions h x w x d (mm)	180 × 700 × 530
Net weight	1.2 kg
Color	Black

Ordering Information

HCS-852S-8338	Foam Insert (for 4 pcs HCS-8338/HCS-8335/ HCS-8336 series Congress Terminals)

HCS-852S-4860
Foam Insert

Features

- **Used to secure HCS-4860 series congress units**
- **Stores up to 8 pcs HCS-4860 series congress units**

Technical Specifications

Mechanical

Dimensions h x w x d (mm)	140 × 700 × 530
Net weight	1.6 kg
Color	Black

Ordering Information

HCS-852S-4860	Foam Insert (for 8 pcs HCS-4860 series congress units)

HCS-852S-4866
Foam Insert

Features

- **Used to secure HCS-4866/50 series congress units**
- **Stores up to 8 pcs HCS-4866/50 series congress units**

Technical Specifications

Mechanical

Dimensions h x w x d (mm)	150 × 700 × 530
Net weight	1.6 kg
Color	Black

Ordering Information

HCS-852S-4866	Foam Insert (for 8 pcs HCS-4866/50 series congress units)

HCS-852S-4890
Foam Insert

Features

- **Used to secure HCS-4890/50 series congress units and stem microphones**
- **Stores up to 12 pcs HCS-4890/50 series congress units + 12 pcs stem microphones**

Technical Specifications

Mechanical

Dimensions h x w x d (mm)	130 × 700 × 530
Net weight	1.3 kg
Color	Black

Ordering Information

HCS-852S-4890	Foam Insert (for 12 pcs HCS-4890/50 series congress units + 12 pcs stem microphones)

HCS-852S-4891R
Foam Insert

Features

- **Used to secure HCS-4891R/50(/2M) series congress units**
- **Stores up to 8 pcs HCS-4891R/50(/2M) series congress units**

Technical Specifications

Mechanical

Dimensions h x w x d (mm)	130 × 700 × 530
Net weight	1.3 kg
Color	Black

Ordering Information

HCS-852S-4891R	Foam Insert (for 8 pcs HCS-4891R/50(/2M) series congress units)

HCS-852S-8368A
Foam Insert

Features

- **Used to secure HCS-8368A/50 series tabletop Multimedia Congress Terminals**
- **Stores up to 5 pcs HCS-8368A/50 series tabletop Multimedia Congress Terminals**

Technical Specifications

Mechanical

Dimensions h x w x d (mm)	225 × 700 × 530
Net weight	1.4 kg
Color	Black

Ordering Information

HCS-852S-8368A	Foam Insert (for 5 pcs HCS-8368A/50 series tabletop Congress Terminals)

HCS-852S-8385
Foam Insert

Features

- **Used to secure HCS-8385/80 and HCS-8685 interpreter units**
- **Stores up to 6 pcs HCS-8385/80 or HCS-8685 interpreter units**

Technical Specifications

Mechanical

Dimensions h x w x d (mm)	120 × 700 × 530
Net weight	1.2 kg
Color	Black

Ordering Information

HCS-852S-8385	Foam Insert (for 6 pcs HCS-8385/80 or HCS-8685 interpreter units)

HCS-853KS
Transport Cabinet

Features

- **Used for storing and transporting TAIDEN series main units**

Technical Specifications

Mechanical

Dimensions h x w x d (mm)	890 × 590 × 545
Net weight	33.7 kg
Color	Blue

Ordering Information

HCS-853KS	Transport Cabinet (inner height 15U)

HCS-854KS
Portable Multifunctional Storage Case

Features

- **Used for storing and transporting TAIDEN series products**

Technical Specifications

Mechanical

Dimensions h x w x d (mm)

Outside	338 × 663 × 496
Inside	299 × 575 × 406
Net weight	10.5 kg
Color	Black

Ordering Information

HCS-854KS	Portable Multifunctional Storage Case (inner height 299 mm, free fit Foam Insert)

HCS-854S-CMU
Foam Insert

Features

- **Used to secure Conference System Main Unit**
- **Stores up to 1 pc main unit with 2U high**

Technical Specifications

Mechanical

Dimensions h x w x d (mm)	118 × 573 × 408
Net weight	0.6 kg
Color	Black

Ordering Information

HCS-854S-CMU	Foam Insert (for 1 pc main unit with 2U high)

HCS-854S-MIC
Foam Insert

Features

- **Used to secure stem microphones**
- **Stores up to 11 pcs stem microphones**

Technical Specifications

Mechanical

Dimensions h x w x d (mm)	55 × 573 × 408
Net weight	0.6 kg
Color	Black

Ordering Information

HCS-854S-MIC	Foam Insert (for 11 pcs stem microphones)

HCS-8524S-4338
Foam Insert

Features

- **Used to secure HCS-3638/HCS-4338 conference units**
- **Stores up to 10 pcs HCS-3638/HCS-4338 conference units**

Technical Specifications

Mechanical

Dimensions h x w x d (mm)	120 × 573 × 408
Net weight	0.7 kg
Color	Black

Ordering Information

HCS-854S-4338	Foam Insert (for 10 pcs HCS-3638/HCS-4338)

HCS-854S-4385U
Foam Insert

Features

- **Used to secure HCS-4385U/50 interpreter units and stem microphones**
- **Stores up to 3 pcs HCS-4385U/50 interpreter units + 4 pcs stem microphones**

Technical Specifications

Mechanical

Dimensions h x w x d (mm)	98 × 573 × 408
Net weight	0.6 kg
Color	Black

Ordering Information

HCS-854S-4385U	Foam Insert (for 3 pcs HCS-4385U/50 + 4 pcs stem microphones)

HCS-854S-4886
Foam Insert

Features

- **Used to secure HCS-4886/87/88 congress units and stem microphones**
- **Stores up to 3 pcs HCS-4886/87/88 congress units + 4 pcs stem microphones**

Technical Specifications

Mechanical

Dimensions h x w x d (mm)	98 × 573 × 408
Net weight	0.7 kg
Color	Black

Ordering Information

HCS-854S-4886	Foam Insert (for 3 pcs HCS-4886/87/88 + 4 pcs stem microphones)

HCS-854S-8338
Foam Insert

Features

- **Used to secure HCS-8338/HCS-8335 Multimedia Congress Terminals**
- **Stores up to 3 pcs HCS-8338/HCS-8335 Multimedia Congress Terminals**

Technical Specifications

Mechanical

Dimensions h x w x d (mm)	180 × 573 × 408
Net weight	0.8 kg
Color	Black

Ordering Information

HCS-854S-8338	Foam Insert (for 3 pcs HCS-8338/HCS-8335/ HCS-8336 series Congress Terminals)

HCS-854S-5100T
Foam Insert

Features

- **Used to secure HCS-5100T Digital Infrared Radiator**
- **Stores up to 1 pc HCS-5100T**

Technical Specifications

Mechanical

Dimensions h x w x d (mm)	178 × 573 × 408
Net weight	0.9 kg
Color	Black

Ordering Information

HCS-854S-5100T	Foam Insert (for 1 pc HCS-5100T)

HCS-854S-5300
Foam Insert

Features

- **Used to secure HCS-5300 wireless conference units and stem microphones**
- **Stores up to 4 pcs HCS-5300 wireless conference units + 4 pcs stem microphones**

Technical Specifications

Mechanical

Dimensions h x w x d (mm)	98 × 573 × 408
Net weight	0.7 kg
Color	Black

Ordering Information

HCS-854S-5300	Foam Insert (for 4 pcs HCS-5300 wireless conference units + 4 pcs stem microphones)

HCS-851A/02 Interpreter Booth

HCS-851A/02

HCS-851K

Features

- **Compliant to ISO 4043 and GB 50524-2010**
- **Odorless, antistatic, fire-retardant material**
- **Optimum insulation and sound absorption**
- **Hinged door (with observation window 0.20 m × 0.20 m), opens outwards, operates silently**
- **Two front windows and two side windows (high: 0.87 m); lower edge of the window: 0.79 m from booth floor**
- **Booth to hall (and vice versa) - sound pressure level difference: ≥24 dB (1 kHz)**
- **Reverberation time inside the booth: between 0.3 and 0.5 s (octave bands from 125 Hz to 4000 Hz, booth unoccupied)**
- **Ventilation system (purging 8 times per hour at least) of interpretation booth uses low-noise exhaust fan**
- **Internal dimensions of the booth h × w × d (cm): 200 × 160 × 160, accommodates two interpreters**
- **Overall dimensions of the booth h × w × d (cm): 204 × 172 × 172**
- **Shipping needs HCS-851K Interpreter Booth Shipping Case**
  - **Dimensions of HCS-851K h × w × d (cm): 110×209×79**
  - **Weight (incl. the booth): 260 kg**

Ordering Information

HCS-851A/02 ..... Interpreter Booth (accommodates 2 interpreters, internal dimensions is 200×160×160 cm, aluminum alloy framework convenience for disassembly, with a shipping case, total weight is 260 kg)

HCS-851K ..... Interpreter Booth Shipping Case (for HCS-851A/02)

HCS-851A/03 Interpreter Booth

HCS-851A/03

HCS-851K

HCS-851KT

Features

- **Compliant to ISO 4043 and GB 50524-2010**
- **Odorless, antistatic, fire-retardant material**
- **Optimum insulation and sound absorption**
- **Hinged door (with observation window 0.20 m × 0.20 m), opens outwards, operates silently**
- **Three front windows and two side windows (high: 0.87 m); lower edge of the window: 0.79 m from booth floor**
- **Booth to hall (and vice versa) - sound pressure level difference: ≥24 dB (1 kHz)**
- **Reverberation time inside the booth: between 0.3 and 0.5 s (octave bands from 125 Hz to 4000 Hz, booth unoccupied)**
- **Ventilation system (purging 8 times per hour at least) of interpretation booth uses low-noise exhaust fan**
- **Internal dimensions h × w × d (cm): 200×240×160, accommodates three interpreters**
- **Overall dimensions h × w × d (cm): 204×252×172**
- **Shipping needs HCS-851K and HCS-851KT Interpreter Booth Shipping Case**
  - **Dimensions of HCS-851K h × w × d (cm): 110×75×209**
  - **Dimensions of HCS-851KT h × w × d (cm): 91×215×40**
  - **Weight (incl. the booth): 350 kg**

Ordering Information

HCS-851A/03 ..... Interpreter Booth (accommodates 3 interpreters, internal dimensions is 200×240×160 cm, aluminum alloy framework convenience for disassembly, with 2 shipping case, total weight is 350kg)

HCS-851KT ..... Interpreter Booth Shipping Case (for HCS-851A/03, HCS-851K needed)