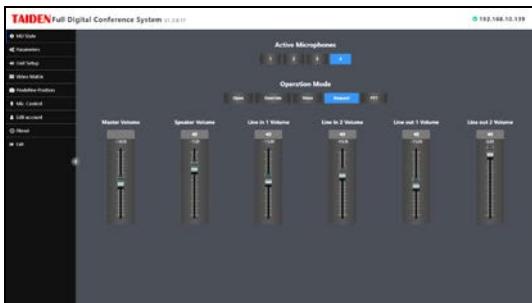# HCS-3900MA/20
Conference Main Unit

Web Control Page

Functions

- Compact and practical, designed for small and medium-sized conference rooms
- Compliant to ISO 22259
- Fully digital conference main unit, audio signals processed by high performance DSP
- Conference audio recording and playback
- With built-in monitor loudspeaker, can be directly employed in small and medium-sized meeting rooms without amplification system
- Every conference unit is assigned an individual ID for convenient setup and to avoid double ID allocation forever
- Set any delegate unit to be VIP unit, VIP unit can be activated as long as the total of active microphones is not beyond 6 (incl. chairman/delegate/VIP unit, except "VOICE" mode)
- System supports up to 255 contribution units via extension unit
- System when operated in stand-alone mode can implement the following facilities:
  - "ACTIVE MICS", set the number of delegates permitted to speak at the same time
  - Speaking time limit can be set up (1-240 minutes)
  - "OPEN" mode, microphone key with request-to-speak registration (AUTO)
  - "OVERRIDE" mode, microphone key control with override of the active microphones (FIFO)
  - "VOICE" mode, microphone activation on speaking
  - "APPLY" mode, delegate applies to speak by pressing apply key, delegate can speak only when operator or chairman approved his application
  - "PTT" mode, press microphone On/Off button to talk

- With web page control function, the user can access the IP address of main unit from web browser to handle meeting management including MU State, Parameters, Video Matrix, Predefined Positions, and Microphone Management.
- Automatic video tracking, when cooperating with IP camera or video matrix + camera
- Built-in unit detection facilities, detect the unit's LED before the meeting

Controls and Indicators

- 256×64 OLED displays the status and the menu of system configuration
- Four buttons for configuration
- Power switch with indicator
- Line in volume control buttons
- Master volume control buttons
- Earphone volume control buttons

Interconnections

- Multiple audio in/out interfaces:
  - One balanced XLRF-type connector for audio line in
  - Two symmetrical RCA input interfaces for audio line in
  - One balanced XLRM-type connector for audio line out
  - Two symmetrical RCA output interfaces for audio line out
  - One USB interface and one SD card slot for conference audio recording and playback. The audio is recorded as *.aac file. The recording will switch to the other device when SD card (maximum memory: 64 G) or USB stick (maximum memory: 256 G) is full without interruption
  - One Mini USB interface realizing quality-lossless sound recording on PC and intact input of streaming audio into the system
- One RS-232 port for connection to central control system
- Video matrix interface
- 2×outlet (6P-DIN) trunk-line cable outlets, can connect up to 50 contribution units
- One USB_H interface for system upgrading
- Ethernet interface (RJ45)

Technical Specifications

Electrical

Frequency response	40 Hz to 16 kHz
SNR	≥90 dBA
Dynamic range	≥94 dB
THD	≤0.05%
Power supply	AC 100 V -240 V 50 Hz/60 Hz
Power consumption	152 W
RS-232 connection	nine-pole Sub-D female socket

Audio inputs

LINE IN 1	+18 dBu, BAL.
LINE IN 2	+18 dBu, UNBAL.

Audio outputs

LINE OUT 1	+18 dBu, BAL.
LINE OUT 2	+18 dBu, UNBAL.

Mechanical

Mounting ....Tabletop or mounted in a 19" rack
Dimensions (h x w x d) ....45 × 483 × 213 mm
Weight ....3.2 kg
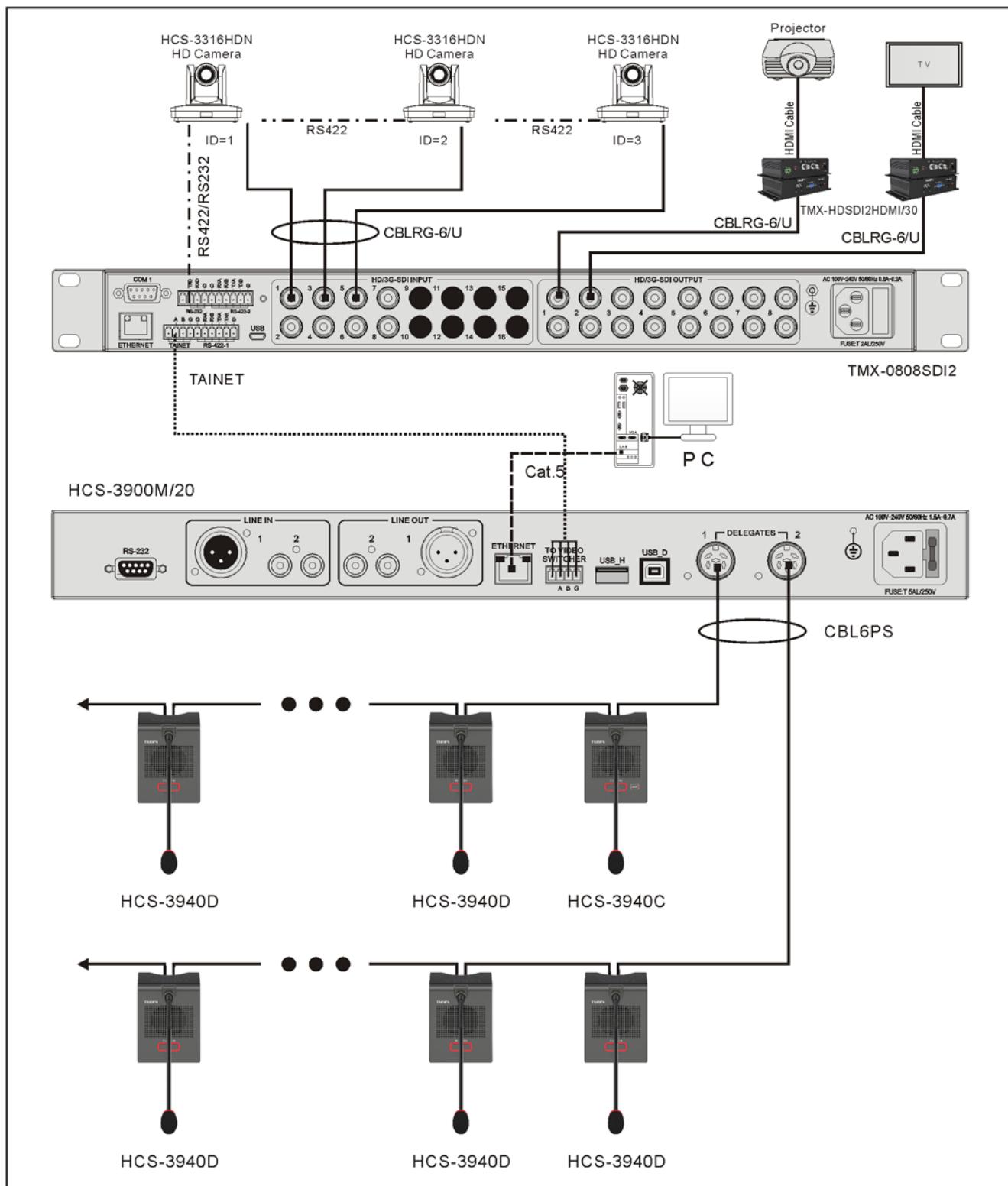Color ....Gray (PANTONE 425 C)

Ordering Information

HCS-3900MA/20 ....Compact Digital Conference System Main Unit (discussion, recording, 256×64 OLED, 6P sockets)

System Connection (HCS-3900 Compact Digital Conference System)
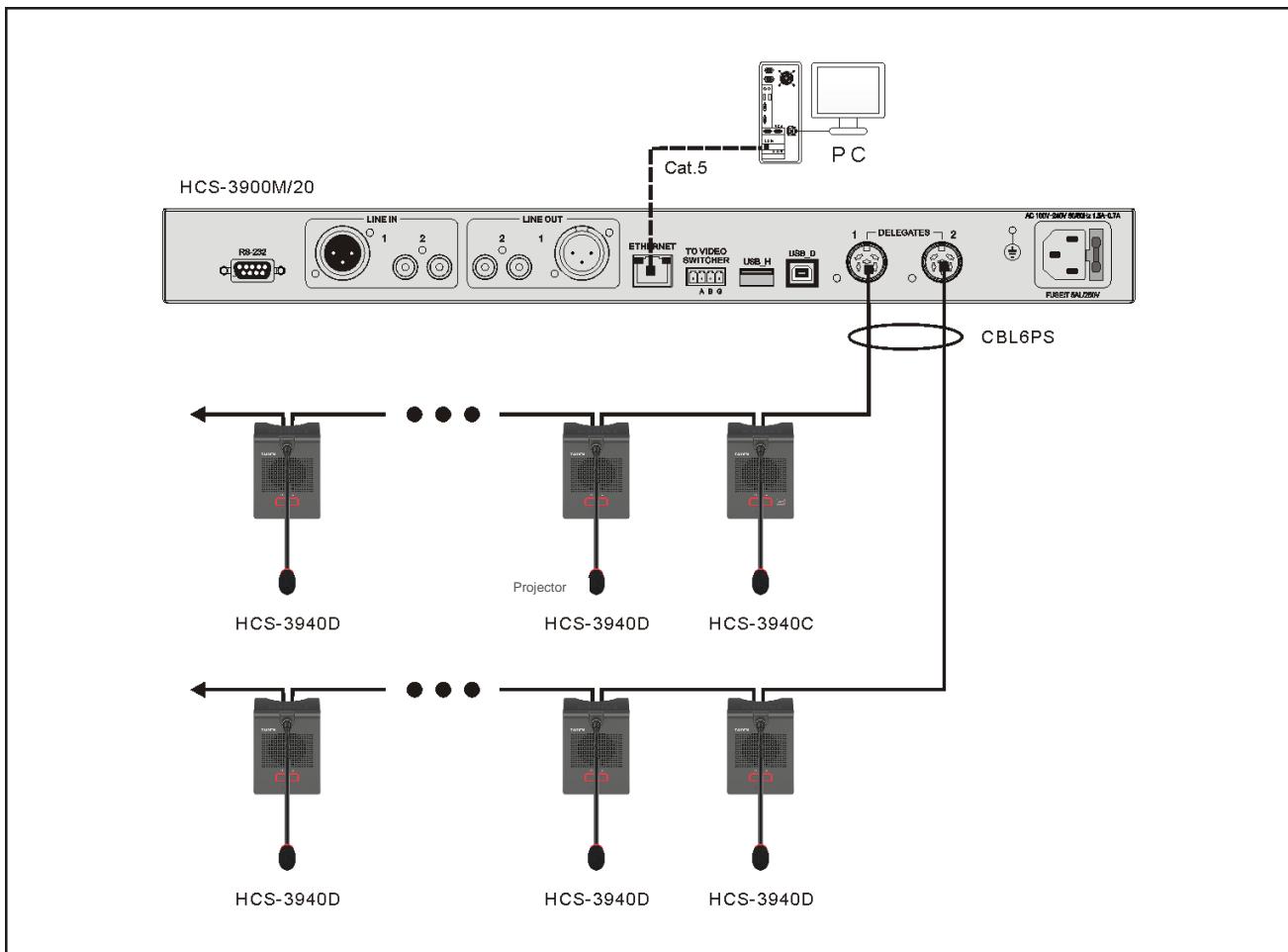
System Connection between CMU and automatic video tracking system

System Connection between CMU and network central control system