

AMBIENT MICROPHONE UNIT ARCHITECT SPECIFICATIONS

The ambient microphone unit shall be a fully digital microphone unit for the DIS DCS 6000 Digital Conference System. The unit shall provide natural ambient sound to the audio system when no one is talking. The unit shall connect a DIS electret condenser microphone such as the HM 4042.

The ambient noise microphone shall provide sound from a meeting, when there is no chairman or delegate using their microphones. To enable the ambient microphone to pick up activity sound in a room (e.g., chairs being moved, paper being picked up, low voices), the microphone shall be placed in a central position in the room but far from any particular sound source.

The unit shall connect to the DCS 6000 System by using the proprietary DCS-LAN protocol in a daisy-chain topology, using shielded CAT 5e cables. The DCS-LAN protocol shall transport power, audio and control data across a chain of discussion units, including a codec algorithm to prevent unauthorized listening to the audio signal.

The microphone unit shall provide a HD 15 Sub connector for a microphone, two RJ45 female sockets with auto-termination for DCS-LAN chain, and a LED microphone lamp. The ambient microphone unit shall have a frequency response of 100 Hz - 15 kHz. The microphone unit shall have a metal housing measuring 115 mm in width, 26 mm in height and 122 mm in depth.

The ambient microphone unit shall be a DIS AM 6040.