

## Conference Unit Architect and Engineer Specifications

The portable conference unit shall provide fully digital audio transmission for the DIS DCS 6000 Digital Conference System. The unit shall be table top unit and operational as a chairman, delegate, or dual-delegate unit. It shall feature a built-in 3.5 inch LCD color touch screen with multiple language options.

The unit shall connect to the DCS-LAN in a daisy-chain topology using shielded CAT 5e (or higher) F/UTP, or U/FTP cables. The DCS-LAN protocol shall transport power, audio, and control data across a chain of conference units including a proprietary codec algorithm to prevent unauthorized listening to the audio signal.

The conference unit shall support all microphone operation modes in the DCS 6000 system: Automatic, FIFO, Manual and VOX (voice activation). The unit shall operate with advanced reply options to allow brief questions or comments to a speaker without losing place in the request queue. There shall be up to 10 customizable reply options available in unit. The unit shall support three microphone interrupt modes available in the DCS 6000 system.

An LED ring shall be provided around the speak button. It shall illuminate red to indicate that the microphone is on, and illuminate green to indicate it is in the request queue. The unit shall support light-ring gooseneck microphones from the DIS GM 6xxx series via a 3-pin XLR socket which includes a lock accessible from a small hole beside the socket and locked with a 1.5 mm hex key. The microphone LED ring shall illuminate red when the microphone is on.

A loudspeaker shall be integrated into the unit to listen to the floor audio when the microphone is not active. When the microphone is activated, the loudspeaker shall turn off to avoid feedback. It shall have a frequency response of 150 Hz-15 kHz and a power maximum of 3.0 W RMS.

The unit shall use the LCD screen provide voting buttons for attendance check and voting. Five buttons shall be provided, supporting three- or five-button voting. In chairman configuration, the request and reply queue and speaker list is available for managing the conference. The buttons shall be configurable for alternate functions and different languages.

An integrated chip card reader shall provide quick, secure login for the user. The unit shall provide access to any interpretation channel in the DCS 6000 system. The unit shall provide monitoring for two people by providing two headphone jacks, channel selectors, and volume controls. The headphone frequency response shall be 65 Hz-16 kHz.

Additional functionality shall become available in combination with the SW 6000 Conference Management Software. It shall provide increased conference control, agenda handling, messaging and chip card or pin code login.

The conference unit shall measure 74 mm in height, 268 mm in width and 153 mm in depth. The unit shall weight 900 grams with an operating temperature range of 5° to 40°C. The unit shall have a power consumption of 4.0 W.

The conference unit shall be a DIS DC 6990 P.