

Interpreter Set Architect Specifications

The interpreter set shall provide all-digital, multi-channel simultaneous interpretation for the DIS DCS 6000 Digital Conference System. The interpreter set shall be a compact, simultaneous, digital interpretation system of up to 31+1 incoming language channels and 32 outgoing language channels. The unit shall provide consistent, high quality digital audio.

With its digital design the interpreter unit shall offer consistent listening levels on all channels, regardless of the individual interpreter's speech level. Optionally a LS 6132P loudspeaker shall be connected with a D9S socket.

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 use the DCS-LAN protocol to. The DCS-LAN protocol shall transport power, audio, and control data across a chain of conference unit including a proprietary codec algorithm to prevent unauthorized listening to the audio signal.

The interpreter set shall feature: Illuminated microphone on/off button, Large *Mute/Cough* button - the microphone is temporarily muted when the Mute/Cough button is pressed; two outgoing channels (A + B). The B output is selectable from all available channels/languages; free or locked toggling between A and B outputs; free toggling between A and B outputs without deactivating the microphone can be enabled for easy operation in bilingual applications.

A large backlit display shall provide easy identification of the pre-selected and the outgoing languages. The interpreter set shall display each selected language relay level, which indicates if the language is original, a direct, double or more relay interpretation.

The interpreter set shall provide three interlocking modes: complete lock, no lock and interlock. The interlock mode shall provide A interrupt A: an interpreter turning on their microphone on an A-channel shall interrupt another interpreter using their A channel; A interrupt B: an interpreter turning on their microphone on an A-channel shall interrupt another interpreter using their B channel, but will not interrupt an interpreter using their A channel; A interrupt A+B: an interpreter turning on their microphone on an A-channel shall interrupt another interpreter using their A or B channel.

The interpreter set shall provide a *Beep* mode for use by blind interpreters. One *beep* shall indicate the microphone is *On*, and two *beeps* shall indicate the microphone is *Off*.

The interpreter *B* channel mode shall be selectable for all channels, one channel or no channels (inactive). The set shall provide four relay languages, directly accessible from dedicated buttons, and free pre-selection of relay languages. Language names shall be assigned to all channels. More than 70 standard language names shall be available.

The unit shall provide *Auto Floor* mode, where a channel with no current interpretation signal present will carry the Floor language. This feature shall be selectable.

Up to 150 interpreter sets shall be supported in a single system. The interpreter set shall weigh 1.0 kg, and measure 235 width x 73 height x 115 mm depth, with a 5-40 degree Celsius temperature range and a power consumption of 0.5 to 2.0 W.

The interpreter set shall provide a 2 x 3.5 mm + 1 x ¼" stereo headphone jack socket, with an output of >30 ohms load. The frequency range shall be 20 Hz-15 kHz, with a distortion of < 0.01 % and a signal-to-noise ratio of > 96 dBA.

The Interpreter Set shall be DIS IS 6132 P.