VISSONIC

Professional Audio Video Manufacturer

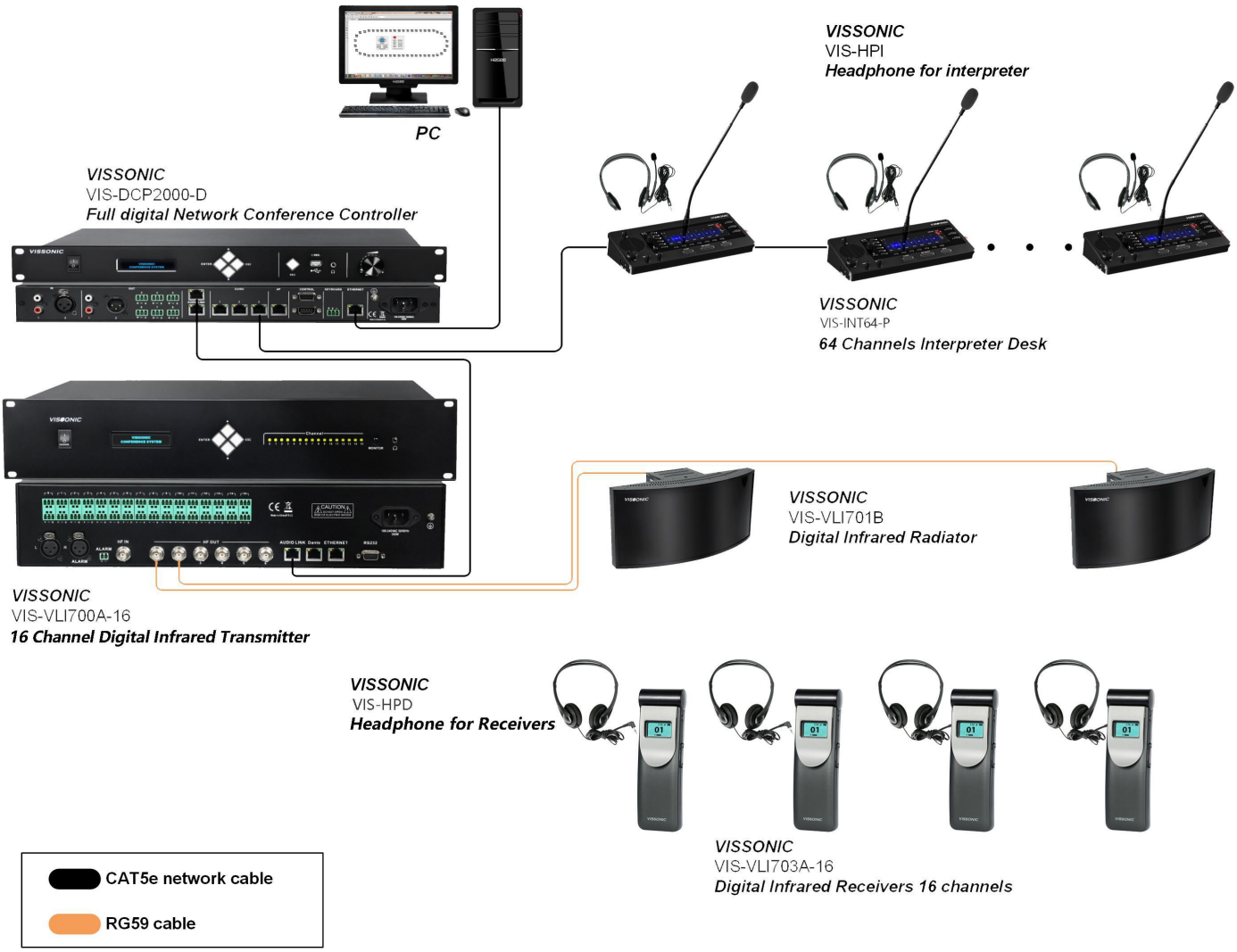
Digital IR Language Distribution System

PRODUCT DATASHEET

VISSONIC ELECTRONICS LTD.

Think Solutions

Application diagram



VIS-VLI700A-4/-8/16/-32

Digital Infrared Transmitter

The transmitter is the central device in the language distribution system. It accepts analogue or digital input, modulates these signals onto carrier waves and transmits these carrier waves to radiators located in the room.

Features

- Compliant to IEC 61603-7 and IEC 60914 and the latest national standard GB 50524-2010
- Compatible with any other IR simultaneous interpretation system compliant to IEC 61603-7
- DQPSK digital modulation/demodulation technology
- Transmitting in 2~8 MHz frequency band eliminates disturbance from high frequency lighting systems
- Capable of distributing of 4,8 or 16 audio channels
- Auxiliary mode for distribution of music to all channels during a break
- Slave mode for distribution of signals from another transmitter allows multiple rooms to be used
- Radiator and system status indication via display and indicators
- Each transmitter can be assigned a unique name by the installer for easy identification in a multi-transmitter system
- Automatic distribution of emergency messages to all channels
- Automatic synchronization to the number of channels in use by the CLEACON system
- Each audio channel can be assigned a language name for easy identification
- The sensitivity of each input is adjustable, the audio level can be fine-tuned, and the audio input level indication is supported
- Flexible configuration of channels and channel quality modes: Mono, standard quality, maximum 16 channels Mono, perfect quality, maximum 8 channels Stereo, standard quality, maximum 8 channels Stereo, perfect quality, maximum 4 channel
- With 16 interpretation output channels for recording

- Supports a master-slave mode with two transmitter units for 32-channel language distribution.
- Can directly connect with interpreter desk VIS-INT64(via optional firmware VIS-VLI700-FW)
- Built-in small infrared emitter for audio monitoring.
- Features an LCD display and setting menu.
- Supports 16 analog audio inputs and 16 analog audio outputs.
- Six high-frequency signal output interfaces(BNC)for connecting radiation units.
- One BNC interface for receiving high-frequency signals from other transmitter units.
- Ethernet and RS-232 interfaces for computer connection and easy setup.
- RS-232 interface can also connect to a central control system for centralized control.
- Web control functionality allows access and control of the unit via a browser using the host's IP address.
- Supports an optional Dante port for connection to a Dante network.
- Includes an AUDIOLINK port for 64-channel audio and data transmission.
- Conference hall privacy;the congress venue itself acts as a barrier to infrared signals escaping and being overheard,as infrared is unable to pass through opaque objects such as walls
- Suitable for various kinds(small/medium/large international)of conference halls and outdoor venues

Control and Indicators

- Graphic LCD with back-lighting displays status and menu of the system configuration, supporting multi language menu
- Four buttons for configuration
- Channel active indicators

Interconnections

- 2 female XLR connectors for external audio inputs to connect auxiliary balanced audio signals such as music, floor language or emergency audio signal
- 16 audio signal output connectors (phoenix sockets) for output multi-channel audio
- 16 audio signal input connectors (phoenix sockets) to connect external unbalanced audio input signals
- 6 BNC connectors for output HF signal to radiator. To each connector, up to 30 radiators can be connected
- 1 BNC connector for receiving HF signal from another transmitter
- Audio-Link Port for connecting to Interpreter Unit or VIS-DCP2000 or VIS-DCP1000 conference controller
- DANTE port for connecting to Dante network for the digital audio(Optional VIS-DANTE module)
- Ethernet and RS232 ports for connection to computer
- Emergency signal interface: when the public emergency system is active, alarm signal can be fed to all channels automatically
- Power supply socket

Technical Specifications

System Specifications

Modulation.....DQPSK, according to IEC 61603-7

Modulation frequency.....**2 to 8** MHz Carriers 0 to 5:2 to 6 MHz, according to IEC 61603-7

Frequency response.....20 Hz to 10 kHz (-3dB) at standard quality;
20 Hz to 20 kHz (-3dB) at perfect quality

THD at 1 kHz.....<0.05%

Isolation.....>80 dB

Dynamic range.....>90 dB

Weighted SNR.....>85 dBA

Electrical

Unbalanced audio inputs.....…-12 dBV to +12 dBV nominal

Balanced audio inputs.....…-6 dBV to +18 dBV nominal

Emergency switch connector.....… 2-PIN 3.81 mm
Phoenix connector, alarm signal control

input Headphone output.....32 Ohm to 2 kOhm

HF input/output.....75 Ohm

Power supply.....AC 100 V - 240 V, 50 Hz / 60 Hz

Power consumption.....Maximum 25 W

Mechanical

Mounting…… Brackets for 19" rack mounting or fixing to a table top; detachable feet for free-standing use on a table top

Dimensions (mm).....88H × 483L × 266W

Weight.....7.5 kg

Color.....Black