

# VISSONIC

Professional Audio Video Manufacturer

## Digital IR Language Distribution System

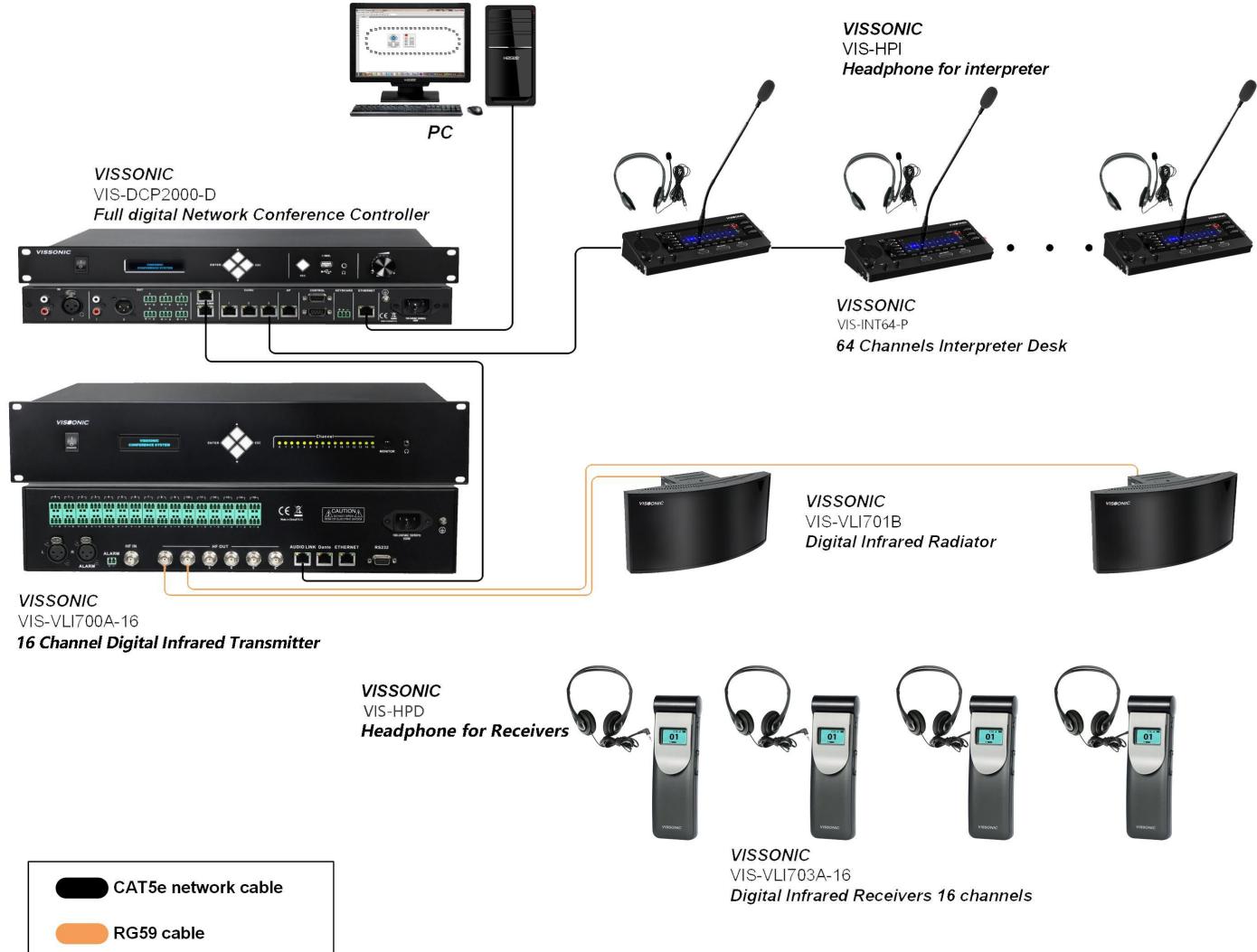
### PRODUCT DATASHEET



VISSONIC ELECTRONICS LTD.

Think Solutions

# Application diagram





These radiators are used to distribute infrared signals throughout the conference space, enabling delegates to listen to the proceedings by means of personal pocket receivers.

### **Features**

- Compliant to IEC 61603-7 and IEC 60914
- Compliant to the latest national standard GB 50524-2010
- Compatible with any other IR system compliant to IEC 61603-7
- Maximum radiation range up to 76 meters, supports daisy-chaining
- Features an OLED display showing the current signal compensation value.
- Cable delay compensation for differences in cable lengths between transmitter and radiators
- Half-power/full-power modes selectable via a switch, with full power at 36W and half power at 20W.
- Has a standby function; automatically enters standby mode when no audio signal is detected.
- Features synchronized power on/off with the main unit.
- HF input and output jacks (2×BNC) for daisy-chaining additional infrared radiation units. Connect further radiators in a daisy chain
- Transmission tube radiation angle of ±25°, with an arched structure providing a 145° angle and wide coverage.
- Automatically switches from full power to half power if the temperature of the infrared radiation unit becomes too high.
- Suitable for use in conference rooms, even during the day

### **Controls and Indicators**

- Input signal indicated with the radiation LED
- Output power switch

- Delay compensation LCD
- Delay compensation buttons (-/+)

### ***Interconnections***

HF input and output connectors (2 x BNC) for connection to transmitter and loop-through to other radiators

### ***Technical Specifications***

#### **Electrical and optical**

Modulation.....DQPSK, according to IEC61603-7

Modulation frequency

Carriers 0 to 5.....2 to 6 MHz, according to IEC 61603-7

Carriers 6 to 7.....Up to 8 MHz

Angle of half intensity.....± 25°

HF input.....Nominal 1 Vpp, 75 Ohm

HF output.....1 Vpp, 6V DC, 75Ohm

Power Supply.....100V-240V AC 50/60Hz

Power consumption operating.....36W

Power consumption standby.....3W

Number of IR receiver modules.....286

Number of IREDS.....286

Total optical peak intensity.....14.3W/sr

Automatic switching-on voltage level.....100mV Radiating signal

Radiation distance.....76m

#### **Mechanical**

Mounting.....Wall mounting bracket VIS-RAM1, ceiling mounting, mounting plates for floor stands.

Dimension (mm).....453Lx230Wx208H

Weight.....7KG

Color.....Deep Grey