



Professional Audio Video Manufacturer

Digital IR Language Distribution System

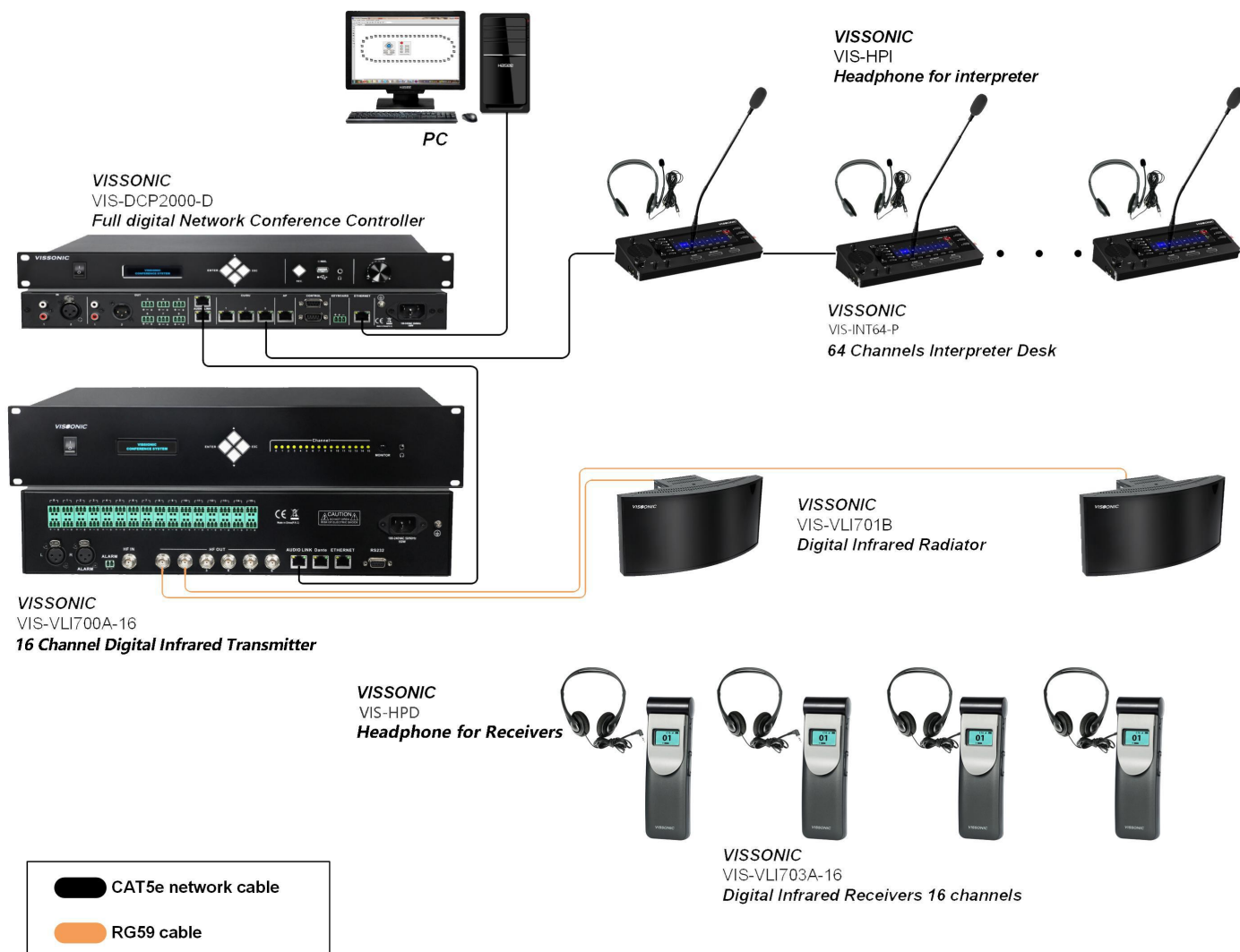
PRODUCT DATASHEET



VISSONIC ELECTRONICS LTD.

Think Solutions

Application diagram



VIS-VLI701A

Digital Infrared Radiator



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 $\pm 25^{\circ}$,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.....	$\pm 25^\circ$
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