

VISSONIC

Professional Audio Video Manufacturer

Digital IR Language Distribution System

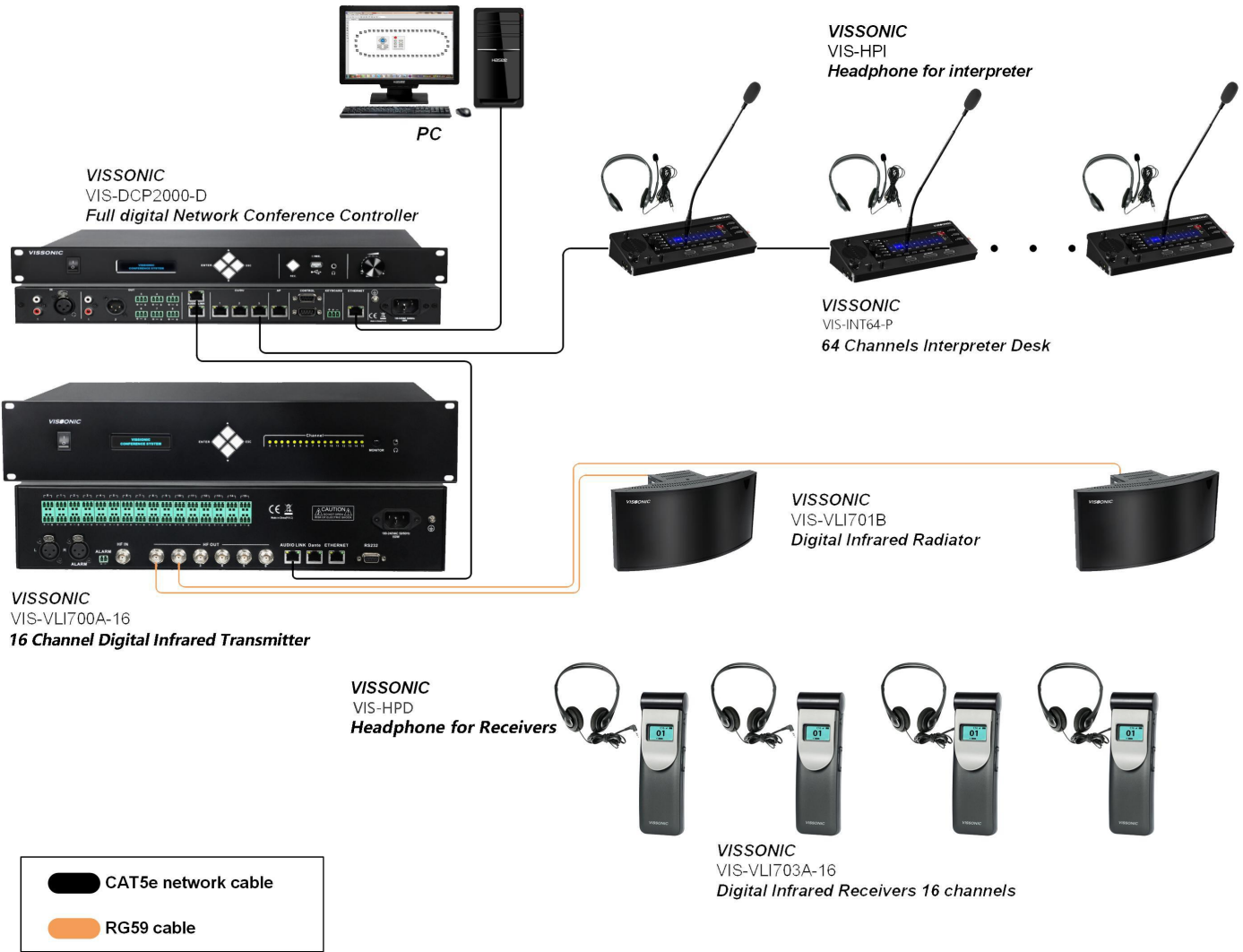
PRODUCT DATASHEET



VISSONIC ELECTRONICS LTD.

Think Solutions

Application diagram



VIS-VLI703A

Digital Infrared Receivers 4/8/16/32 channels



These ergonomically designed pocket receivers incorporate the latest electronics technology. VIS-VLI703A series of IR receivers, which can receive up to 32 language channels and is equipped with channel selector, volume control, power switch, Ø 3.5 mm stereo earphone jack. A LCD displays channel number, received signal intensity, battery capacity and volume. The pocket receivers can be used for both language and music distribution.

Features

- Compliant to IEC 61603-7 and IEC 60914
- Compatible with any other IR simultaneous interpretation system compliant to IEC 61603-7
- Digital infrared processor with DQPSK digital modulation/demodulation technology
- Transmitting in 2~6 MHz frequency band eliminates disturbance from high frequency lighting systems
- Channel selection via up/down button, at most 4,8,16 or 32 channels available
- LCD display with channel number, battery and signal status indication
- Number of available channels is always the same as the number of channels in use by the system, eliminating the need to scroll through unused channels
- Adjustable volume
- Unique 270° super wide reception angle, ensuring perfect sound quality even when casually placed
- Audio signal automatically muted when signal is too low, ensuring that the user receives only high quality audio.
- Ergonomically compact and elegant design
- Lightweight and handy receiver in conjunction with single earphone or headphone for easy and comfortable use
- Can be hung over the neck via a nice strap or fit into pocket
- Free movement within the range of IR power radiator

- No limit to the receiver number within the IR power radiation range
- Works without errors, even in bright sunlight
- Built-in high precision rechargeable circuitry to prolong battery life
- Built-in eco-friendly rechargeable lithium battery pack, with the option to use disposable AA alkaline batteries.
- Automatically shuts off with no power consumption if the headset is disconnected for 5 minutes.
- All receiver units automatically shut off 3 minutes after the main unit is turned off.

Controls and Indicators

- LCD displays channel number, battery capacity, signal intensity and volume Power switch
- Channel selector buttons
- Volume control buttons

Interconnections

- Ø 3.5 mm stereo earphone jack
- Charging contacts

Technical Specifications

Modulation.....	DQPSK, according to IEC 61603-7
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.....	>80 dB
Weighted SNR.....	>80 dBA
Input range.....	-12 dBV ~ +12 dBV (adjustable)
Electrical	
IR irradiance level.....	4 mW/m ² per carrier
Angle of sensitivity.....	270°
Headphone output level at 2.4 V 450 mVrms (speech at maximum volume, 32 Ohm headphone) Headphone output freq. range.....	20 Hz to 20 kHz
Headphone output impedance.....	32 Ohm to 2 kOhm
Max. SNR.....	>80 dBA
Supply voltage.....	V to 4.2V, nominal 3.7 V
Headphone jack unplugged after 5 minutes.....	0 mA Battery life
Rechargeable battery pack.....	24 hours

Mechanical

Dimensions (H x W x D).....	159 x 49 x 23 mm
Weight.....	excluding battery 85 g, including battery 128g (0.27 lb)
Color.....	black with silver