



VISSONIC
Professional Audio/Visual Manufacturer

Digital IR Language Distribution System

Press rooms, Academic halls, School auditoriums, and International conferences

The system covers a radius of 76 meters with a 180°±25° range and is immune to lighting and electromagnetic interference. It supports up to 63+1 language channels for simultaneous interpretation. Infrared transmission is known for low latency, fast response, and resistance to interference, and is used in the VISSONIC Digital IR Language Distribution System.

Easy translation, no barriers in communication

High security, wide coverage, anti-interference;
Fast response, no delay in translation.

- Complies with ISO 20109, ISO 2603, ISO 4043, and GB 50524-2010 standards.
- Supports VISSONIC paperless systems connection, audio playback and HDMI output.
- Supports daisy-chain connection and built-in data refresh and cable redundancy.
- Supports up to 1,000 interpreter units.
- 1000M digital network transmission.

Equipped with braille buttons and audio cues for visually impaired interpreters

Intuitive color display and key layout

Type-C connection for audio input or output recording

Removable dual gooseneck microphones

New

A/B/C three output channels

Seven quick input channels + main audio channel for all speakers

Full metal aluminum alloy casing with high resistance to external RF interference



Features



VIS-VLI700A-4/8/16
Digital IR infrared transmitter

Overview

VIS-VLI700A is the core host of the language distribution system. It accepts analog or digital inputs, modulates these signals onto a carrier, and transmits these carriers to the radiation panels located in the room.

Functions

- Complies with IEC 61603-7 and IEC 60914, compatible with any other IEC 61603-7 infrared interpretation system.
- DQPSK digital modulation/demodulation technology.
- 2-8 MHz frequency range to avoid high-frequency lighting interference.
- Supports up to 4, 8, or 16 audio channels.
- Auxiliary mode to assign music to all channels during breaks.
- Slave mode for signal distribution from another transmitter for multi-room use.
- Status display of radiation panels and system via screen and indicators.
- Unique naming for each transmitter in multi-unit systems.
- Emergency messages automatically distributed to all channels.
- Emergency switch connector for automatic emergency message distribution.
- Language names for each audio channel for easy identification.
- Adjustable input sensitivity with audio level indication.
- Flexible channel and quality configurations:
 - Mono: Standard quality up to 16 channels, high quality up to 8 channels.
 - Stereo: Standard quality up to 8 channels, high quality up to 4 channels.
- 16 decoding output channels for recording.
- Supports two transmitters in master-slave mode for 32-channel language distribution.
- Built-in small infrared radiators for audio monitoring.
- LCD display and settings menu.
- Supports 16 analog audio inputs and 16 analog audio outputs.
- 6 high-frequency signal output interfaces (BNC) for radiation units.
- 1 BNC interface for receiving HF signals from other transmitters.
- Ethernet and RS-232 interfaces for computer connection and setup.
- RS-232 also for connecting control systems.
- Web control function for host access and control via browser.
- Optional Dante port for Dante network connection.
- AUIDOLINK port for 64 audio channels and various information transfer.
- Universal power supply for global use.
- Infrared signals are obstructed by walls, ensuring conference privacy.

Control & Indicators

- Graphical LCD displays system status and menu, with multilingual support.
- Four buttons for configuration.
- Channel activity indicators.

Interconnection

- 2 XLR Female Connectors for external audio inputs, such as balanced audio signals for music, original language, or emergency audio signals.
- 16 Audio Output Connectors (Phoenix) for multichannel audio output.
- 16 Audio Input Connectors (Phoenix) for external unbalanced audio inputs.
- 6 BNC Connectors for HF signal output to radiators, each supporting up to 30 radiation panels.
- 1 BNC Connector for receiving HF signals from another transmitter.
- Audio Connection Port for connecting translation units (optional VIS-VLI700-FW firmware) or VISDCP2000.
- DANTE Port for digital audio connection to the Dante network (optional VISDANTE module).
- Ethernet and RS232 Ports for connecting to a computer.
- Emergency Signal Interface for automatic distribution of alarm signals to all channels when the public emergency system is activated.
- Power Socket.

Technical parameter

Electrical and Optical		
Modulation		DQPSK,Compliance IEC 61603-7
Modulation		2 to 8 MHz(IEC 61603-7)
Frequency		Carrier range: 0 to 5, 2 to 6 MHz
Frequency		Standard: 20 Hz to 10 kHz (-3dB)
Response		High: 20 Hz to 20 kHz (-3dB)
THD at 1 kHz		< 0.05%
Isolation		> 80 dB
Dynamic Range		> 90 dB
S / N ratio		> 85 dBA
Electrical Parameters		
Audio Input	Balanced	-6 dBV to +18 dBV nominal
	Unbalanced	-12 dBV to +12 dBV nominal
Switch Connector		2-pin, 3.81 mm Phoenix connector
Headphone Output		32 Ω to 2,000 Ω
HF Input/Output		75 Ω
Power		AC 100 V - 240 V , 50 Hz / 60 Hz
Power Consumption		Maximum 25 W
Mechanical Parameters		
Installation		Standard rack mounting, desktop
Dimensions(mm)		483L×266W×88H
Weight		7.5Kg
Color		Black

Features



VIS-VLI701A
Digital IR Infrared Radiation Unit

Overview

The VIS-VLI701A digital IR unit distributes infrared signals throughout the meeting space for attendees to listen via infrared receivers.

Functions

- Complies with IEC 61603-7 and IEC 60914.
- Meets the latest national standard GB 50524-2010.
- Compatible with any other infrared simultaneous interpretation system adhering to IEC 61603-7.
- Maximum radiation range up to 76 meters, supports daisy-chaining.
- Features an OLED display showing the current signal compensation value.
- Supports cable delay compensation, with adjustable compensation values based on cable length differences between the infrared transmitter and radiation panels.
- Switchable power modes: full power (36W) and half power (20W).
- Standby function: automatically enters standby mode without audio signal.
- Synchronizes power on/off with the main unit.
- HF input and output sockets (2×BNC) for connecting additional infrared radiation units in a daisy-chain configuration.
- Transmission tube radiation angle of $\pm 25^\circ$, with an arc-shaped structure covering 145° for wide coverage.
- Automatically switches from full power to half power when the infrared radiation unit's temperature is too high.
- Usable in conference rooms even during the day.

Control & Indicators

- Input signal indicated by the radiation LED.
- Output power selector.
- Delay compensation OLED display, delay compensation buttons (- / +).

Interconnection

- High-frequency input and output connectors (2 x BNC) for connecting and daisy-chaining radiation units.



VIS-VLI701B
Digital IR Infrared Radiation Unit

Overview

The VIS-VLI701B digital IR unit distributes infrared signals throughout the meeting space for attendees to listen via infrared receivers.

Functions

- Complies with IEC 61603-7 and IEC 60914.
- Meets the latest national standard GB 50524-2010.
- Compatible with any other infrared simultaneous interpretation system adhering to IEC 61603-7.
- Maximum radiation range up to 76 meters, supports daisy-chaining.
- Features an OLED display showing the current signal compensation value.
- Supports cable delay compensation, with adjustable compensation values based on cable length differences between the infrared transmitter and radiation panels.
- Switchable power modes: full power (116W) and half power (65W).
- Standby function: automatically enters standby mode without audio signal.
- Synchronizes power on/off with the main unit.
- HF input and output sockets (2×BNC) for connecting additional infrared radiation units in a daisy-chain configuration.
- Transmission tube radiation angle of $\pm 25^\circ$, with an arc-shaped structure covering 145° for wide coverage.
- Automatically switches from full power to half power when the infrared radiation unit's temperature is too high.
- Usable in conference rooms even during the day.

Control & Indicators

- Input signal indicated by the radiation LED.
- Output power selector.
- Delay compensation OLED display, delay compensation buttons (- / +).

Interconnection

- High-frequency input and output connectors (2 x BNC) for connecting and daisy-chaining radiation units.



Technical parameter

Electrical and Optical	
Modulation	DQPSK, Compliance IEC 61603-7
Modulation frequency according to IEC 61603-7	Carrier range: 0 to 5, 2 to 6 MHZ Carrier range: 6 to 7, up to 8 MHZ
Half-intensity angle	±25°
HF input	nominal 1 Vpp, 75 Ω
HF output	1 Vpp, 6V DC, 75 Ω
Power supply	100V-240V AC, 50/60Hz
Maximum power	36W
Standby power	3W
Auto voltage start	100 mV radiation signal
Radiation range	76m
Mechanical parameters	
Installation	Wall mount bracket VIS-RAM1, ceiling mount, and mounting plate for floor stands
Dimensions(mm)	483.5Lx228Wx200H
Weight	5.65 Kg
Color	Dark gray

Electrical and Optical	
Modulation	DQPSK, Compliance IEC 61603-7
Modulation frequency according to IEC 61603-7	Carrier range: 0 to 5, 2 to 6 MHZ Carrier range: 6 to 7, up to 8 MHZ
Half-intensity angle	±25°
HF input	nominal 1 Vpp, 75 Ω
HF output	1 Vpp, 6V DC, 75 Ω
Power supply	100V-240V AC, 50/60Hz
Maximum power	116W full, 65W half-load
Standby power	6W
Auto voltage start	100 mV radiation signal
Radiation range	76m
Mechanical parameters	
Installation	Wall mount bracket VIS-RAM1, ceiling mount, and mounting plate for floor stands
Dimensions(mm)	483.5Lx300Wx200H
Weight	7.8 Kg
Color	Dark gray

Features



VIS-INT64
64 Channels Interpreter Desk

Overview

The VIS-INT64 translation unit supports simultaneous interpretation in 63+1 languages, as well as direct and indirect translation. It is user-friendly and simplifies the translator's work.

Functions

- Up to 64 language channels (including original audio)
- No limit on the number of translation units
- Digital audio with high-speed DSP
- 48 kHz sampling rate, 30 Hz to 20 kHz response
- Metal housing for RF interference resistance
- Hot-swappable and removable microphone
- Separate volume controls for speakers and headphones
- Supports direct and relay translation
- Hearing protection and SMS/tea request functions
- Translation units can function as control units for internal communication
- Language and system settings configurable in interpreter units
- COUGH button to mute microphone
- Two headphone and microphone jacks for two interpreters
- Separate volume adjustments; speaker broadcasts floor language if microphones are off
- Supports headset and detachable microphones
- Channel interlocking ensures unique channel activation
- Modes: interlocking and coverage
- A-B preset shortcuts for quick channel selection
- Translation timing feature



VIS-INT64-P
64 Channels Interpreter Desk

Overview

VIS-INT64-P is a translation console with up to 64 channels. It transmits power, audio, and control data via a single Cat5e cable. Its digital design nearly eliminates background noise, distortion, and crosstalk. User-centered design features include compliance with ISO 20109, ISO 2603, and ISO 4043 standards, a 6.8" TFT LCD screen, built-in 64-channel selectors and speakers, and detachable gooseneck microphone and headphone/microphone jacks, catering to diverse multilingual conference needs.

Functions

- Complies with ISO 20109, ISO 2603, ISO 4043, and GB 50524-2010 standards
- Supports up to 64 language channels (including original audio)
- Up to 1000 translation units supported in the system
- Digital audio with high-speed DSP processing
- 48 kHz sampling rate, 30 Hz to 20 kHz frequency response
- Metal housing design to resist RF interference
- Support Hot-swappable
- Detachable microphone design
- Separate volume control for speakers and headphones
- Supports direct and relay translation
- Hearing protection feature
- Translation unit can function as an operating unit for internal communication
- Configurable menu for language and system settings
- SMS and beverage request functions
- COUGH button to mute microphone
- With SLOW button
- Two headphone and microphone jacks for two interpreters
- Separate volume adjustments; speaker broadcasts floor language if all microphones are off
- Supports headset and detachable microphones
- Channel interlocking ensures only one active microphone per channel
- Two modes in the interpretation room: interlocking and coverage
- Preset shortcuts for quick input (1-7) and output (A-C) channel selection
- Supports IC card authentication and translation timing

Control & Indicators

- Microphone on flexible gooseneck with light ring
- Headphone and speaker volume control knobs
- A-B channel selection with LCD for quick input (listening) language selection
- A-B channel selection with LCD for quick output (translation) language selection
- IN knob with LCD for quick switching between original and selected channels
- OUT knob with LCD for quick switching between output channels
- Microphone activation button with LED status indicator
- COUGH button to mute the microphone
- FLOOR-RELAY button for quick switching between original and relay languages
- Call button for two-way communication between interpreter and operator

Interconnection

- Cascaded main power input and output ports
- Male and female power sockets
- 2 x Ø3.5mm headphone jacks, 2 x Ø3.5mm microphone jacks
- 2 x RJ45 ports
- 1 x 2.5mm adapter port
- Connector for detachable microphone

Technical parameter

Electrical parameters	
Power	DC48V from controller or adapter
Consumption	3W
Microphone	
Pickup head	Electret condenser
Polar pattern	Unidirectional
Sensitivity	-46dBV / PA
Frequency response	20Hz~20KHz
Input impedance	2.2kOhm
Headphone	
Frequency response	30~20KHZ
Headphone load	> 8Ω
Headphone volume	10mW
Directionality 0°/ 180°	> 20 dB(1 kHz)
Equivalent noise	20 dBA(SPL)
Maximum sound pressure level	125 dB(THD <3%)
Interface	
Display	320x64 pixels (blue and white)
Connectors	2 x Ø3.5mm headphone jacks, 2 x Ø3.5mm microphone jacks, 2 x RJ45 ports, 1 x 2.5mm adapter port
Mechanical	
Dimensions(mm, without microphone)	280Lx128Wx55H
Weight (without microphone)	1.5Kg
Color	Black

Control & Indicators

- Microphone on flexible gooseneck with light ring
- Headphone and speaker volume control knobs
- 1-7 input channel selection keys with LCD displaying channel numbers and languages for quick input selection
- A-B-C channel selection with LCD for quick output (translation) language selection
- IN knob with LCD for quick switching between original and selected channels
- OUT knob with LCD for quick switching between output channels
- Microphone activation button with LED status indicator
- COUGH button to mute the microphone
- FLOOR-RELAY button for quick switching between original and relay languages
- Call button for two-way communication between interpreter and operator

Interconnection

- Cascaded main power input and output ports
- Male and female power sockets
- 2 x Ø3.5mm headphone jacks, 2 x Ø3.5mm microphone jacks
- 2 x RJ45 ports
- 1 x 2.5mm adapter port
- Connector for detachable microphone
- HDMI output port

Technical parameter

Electrical parameters	
Power	DC48V from controller or adapter
Consumption	3W
Microphone	
Pickup head	Electret condenser
Polar pattern	Unidirectional
Sensitivity	-46dBV / PA
Frequency response	20Hz~20KHz
Input impedance	2.2kOhm
Headphone	
Frequency response	30~20KHZ
Headphone load	> 8Ω
Headphone volume	10mW
Directionality 0°/ 180°	> 20 dB(1 kHz)
Equivalent noise	20 dBA(SPL)
Maximum sound pressure level	125 dB(THD <3%)
Interface	
Display	480x1280 dot (IPS), 6.8"TFT LCD
Connectors	2 x Ø3.5mm headphone jacks, 2 x Ø3.5mm microphone jacks, 2 x RJ45 ports, 1 x 2.5mm adapter port 1 x HDMI output port (optional)
Mechanical	
Dimensions(mm, without microphone)	325Lx145Wx63.5H
Weight (without microphone)	2Kg
Color	Black

Features



VIS-VLI703A-4/8/16/32
Digital IR receiver



VIS-TC50A
Receiver charging and storage case

Overview

The VIS-VLI703A digital infrared receiver supports up to 32 language channels and features an ergonomic design. It includes a channel selector, volume control, power switch, and Ø3.5mm stereo headphone jack. The LCD screen shows channel numbers, language names, signal strength, battery level, and volume. It is used for language and music distribution.

Functions

- Complies with IEC 61603-7 and IEC 60914
- Meets the latest national standard GB 50524-2010
- Compatible with any other infrared simultaneous interpretation system adhering to IEC 61603-7
- Digital infrared processor with DQPSK modulation/demodulation
- 2~6 MHz frequency band transmission eliminates interference from high-frequency lighting systems
- Channel selection via up/down buttons, with up to 4, 8, 16, or 32 channels available
- LCD display shows channel number, language name, battery, and signal status
- Available channels always match the number used in the system, no need to scroll through unused channels
- Adjustable volume knob
- 270° ultra-wide reception angle ensures perfect sound quality even when placed casually
- Automatic mute when signal is too low, ensuring only high-quality audio is received
- Compact and elegant ergonomic design
- Comfortable to use with single earphone/headphone
- Can be worn around the neck with a strap or placed in a shirt pocket
- Free movement within the infrared radiation range
- No limit on the number of receivers within the infrared radiation range
- Functions normally even in bright sunlight
- Built-in high-precision rechargeable circuit with long battery life; also supports disposable AA alkaline batteries
- Automatically powers off after 5 minutes if earphones are disconnected
- All receivers automatically power off 3 minutes after the main unit is turned off

Overview

VIS-TC50A used for charging and storing VIS-VLI703A series receivers.

Functions

- Compatible with VIS-VLI703A series receivers
- Universal power supply for global use
- Fast charging: within 2 hours
- Charges up to 50 receivers
- LED indicators for charging status
- Also functions as a storage case for receivers

Control & Indicators

- LCD displays channel number, language name, battery capacity, signal strength, and volume
- Channel selector button
- Volume control button
- Power switch button

Interconnection

- Ø3.5mm stereo headphone jack
- Charging contacts

Technical parameter

Electrical and Optical	
Modulation	DQPSK, Compliance IEC 61603-7
Modulation	2 to 8 MHz(IEC 61603-7)
Frequency	Carrier range: 0 to 5, 2 to 6 MHz
Frequency	Standard: 20Hz to 10kHz (-3dB)
Response	High: 20Hz to 20kHz (-3dB)
THD at 1 kHz	< 0.05%
Isolation	> 80 dB
Dynamic Range	> 80 dB
S / N ratio	> 80 dBA
Input range	-12 dBV to +12 dBV (adjustable)
Electrical parameters	
IR irradiance	4 mW/m ² per carrier
Sensitivity	270°
Output level at 2.4 V	450 mVrms (maximum volume, 32 Ω headphones)
Frequency range	20Hz to 20kHz(Headphone output)
Impedance	32 Ω to 2 kΩ(Headphone output)
Maximum SNR	>80 dBA
Power supply voltage	3V to 4.2V, nominal 3.7V
Battery life	0 mA after 5 minutes with headphone jack removed
Rechargeable battery	30 hours
Mechanical	
Dimensions (mm)	49 L × 23 W × 159 H
Weight	85g (without battery), 128g (with battery)
Color	Black, Silver

Control & Indicators

- Charging status indicator for each receiver

Interconnection

- Cascaded main power input and output ports
- Male and female power sockets
- 50 charging slots compatible with VIS-VLI703A series receivers

Technical parameter

Electrical parameters	
Power supply	AC 100V-240V, 50/60Hz
Maximum power	150W
Static power	17W (without charging)
Mechanical	
dimension(mm)	600Lx380Wx230H
Weight	5Kg
Color	Black



Features



VIS-HPD
3.5mm headphone



VIS-HPI
3.5mm headphone with MIC

Overview

Dual headphones for conference units offer high-fidelity sound with a 1.5-meter cable and a frequency response of 30 Hz to 16 kHz.

Technical parameter

Wearing style	Headset
Unit connector	Dual-channel plug
Frequency response	80Hz-2kHz
Sensitivity	90 dB
Signal-to-noise ratio	>80 dB
Distortion	<0.1%
Impedance	32Ω
Dynamic range	>85dB
Output power	100mW

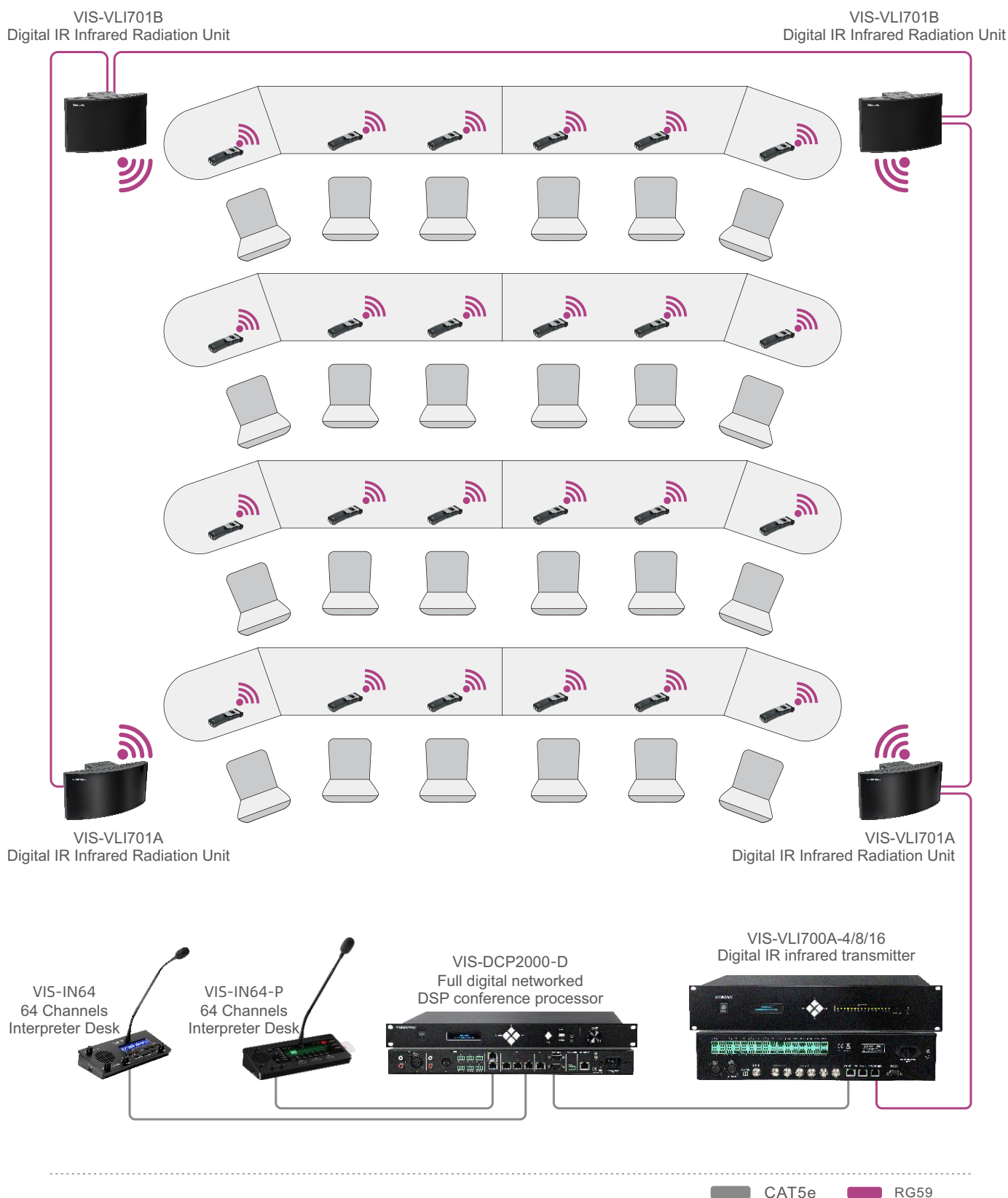
Overview

The dual-sided, lightweight, and comfortable headsets with MIC are designed for use with simultaneous interpretation systems for both monitoring and speaking. They feature a 32 Ω impedance and a 3.5mm mono plug, minimizing interference from others in a conference system.

Technical parameter

Wearing style	Headset
Unit connector	Dual-channel plug
Frequency response	80Hz-2kHz
Impedance	32Ω ±15Ω
Plug size	3.5mm
Sensitivity	105dB ±3dB
Lead length	2.2 meters

System Diagram



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VISSONIC
Professional Audio/Visual Manufacturer