

# INFRARED TRANSMITTER/RECEIVER TS-905

Thank you for purchasing TOA's Infrared Transmitter/Receiver.  
Please carefully follow the instructions in this manual to ensure long, trouble-free use of your equipment.

This is a class A product.  
In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

## 1. GENERAL DESCRIPTION

The TS-905 Infrared Transmitter/Receiver is designed for the TOA Infrared Conference Systems. It is connected to the Central unit, and permits communications between the Central unit and Chairman/Delegate units in the systems. Communications between the TS-905 and Chairman/Delegate units are performed by means of infrared signals. For more information, refer to the instruction manual supplied with the Central unit.

## 2. SPECIFICATIONS

Power Source	24 V DC (supplied from the optional TS-800 or TS-900)	
Current Consumption	Max. 150 mA	
Infrared Emitter/Detector	Wavelength	870 nm (AM: Brightness modulation)
	Modulation Method	Frequency modulation
	Carrier Frequency	Transmission: Audio channel 1: 7.35 MHz Audio channel 2: 8.10 MHz Audio channel 3: 8.55 MHz Audio channel 4: 9.15 MHz Control channel: 6.45 MHz Reception: Base language channel: 1.95 MHz Translation language channel: 2.25 MHz
	Acceptance Angle	Vertical: 150° (75° + 75°), Horizontal: 360°
	Emission Angle	Vertical: 150° (75° + 75°), Horizontal: 360°
	Communication Area	Approx. 6 – 7 m in radius from the point underneath the unit (ceiling height: 2.5 – 4.5 m)
	Connection Terminal	BNC jack
LED Indicator	Power	
Operating Temperature	0°C to 40°C	
Finish	Dome: PC resin, visible light cut filter Base: ABS resin, black	
Dimensions	ø120 x 71.3 (h) mm	
Weight	230 g (unit only)	

**Note:** The design and specifications are subject to change without notice for improvement.

### • Accessories

Mounting bracket .....	1	W5/16 – W5/8 thread adapter
Stand mounting bracket .....	1	(except for CE version) .....
Screw M3 x 6 .....	3	1

### Traceability Information for Europe (EMC directive 2004/108/EC)

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