

COAXIAL MULTI-TRANSMISSION UNIT

C-AP105



2 units in every set

DESCRIPTION

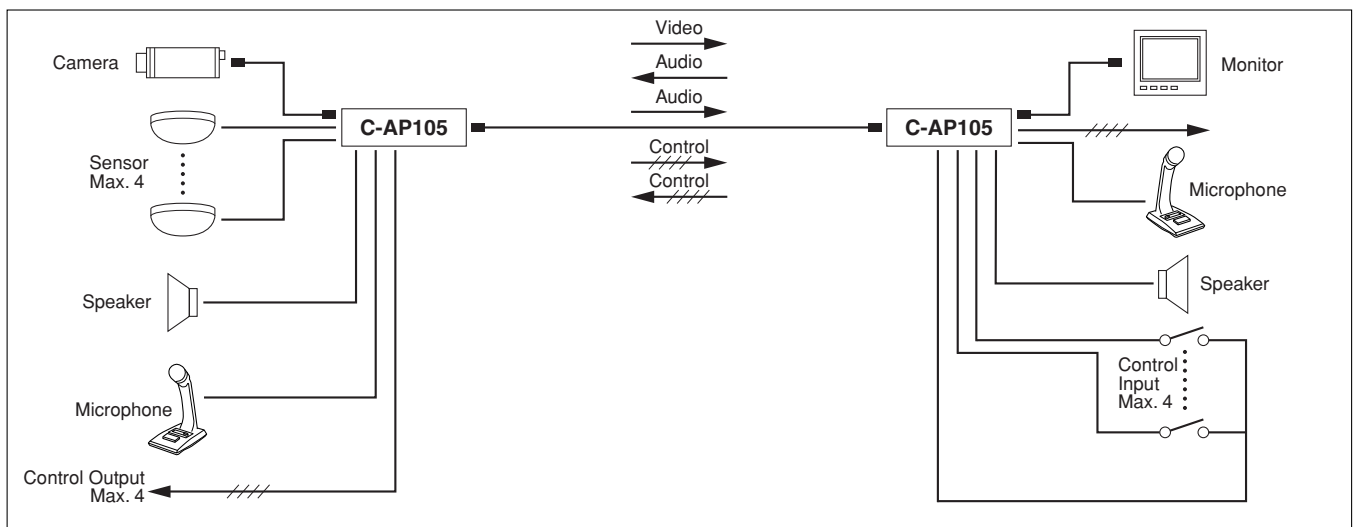
The TOA C-AP105 Coaxial Multi-Transmission unit allows a single cable to effectively handle duplex audio and simplex video transmission. The 1 cable-compatible C-AP105 can therefore be useful for monitoring several sources in a single CCTV system. The C-AP105 easily fits into an existing CCTV system without needing major changes to the system. Sources such as a camera, microphone, speaker and 4 sensors (for alarms) can be connected to the C-AP105 that will transmit the information to another C-AP105 that can be as far away as 600m (when using 5C-FB cable).

Note: The C-AP105 includes one each of Unit A and Unit B.

FEATURES

- Transmit video, audio and control signals on one coaxial cable
 - Video signal (simplex)
 - Audio signal (duplex)
 - Control signals (4 contacts/duplex)
- System integration with security and audio equipment.
 - Camera/monitor/microphone/speaker/sensor etc.
 - Save cable lines
- Speaker output
 - 1W (8 ohms) amplifier
- Maximum cable length 600m (when using 5C-FB cable)

SYSTEM EXAMPLE



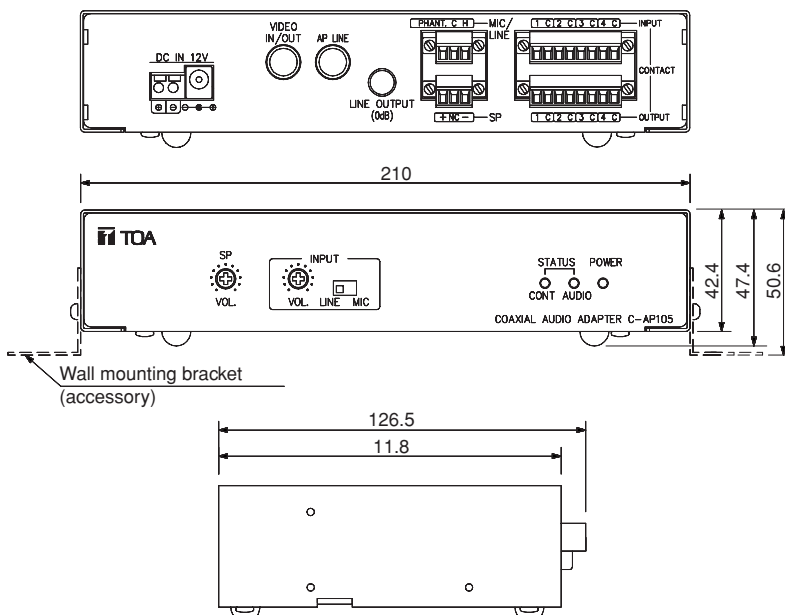
SPECIFICATIONS

*0 dB = 1 V

C-AP105 COAXIAL MULTI-TRANSMISSION UNIT	
Power Source	12 V DC, 350 mA (cage clamp) Solid Wire: $\phi 0.4 - 1.2$ mm (AWG 26 - 16) Stranded Wire: $0.3 - 1.25$ mm ² (AWG 22 - 16) AC/DC adapter not supplied by TOA. But an AC/DC adapter can use. Nominal Output: 12 V DC/over 350 mA (under 18 V DC at no load) Plug: Internal diameter; 2.1 mm, Outer diameter; 5.5 mm, center + (EIAJ RC-6705)
Power Consumption	3W (standby), 8W (maximum output) Represents value per unit
Coaxial Cable Length (between units)	RG-59/U: Max. 400m 5C-FB: Max. 600m 5C-2V: Max. 400m 3C-2V: Max. 300m
Carrier	Unit A: Transmission; 50.65 MHz/Reception; 53.65 MHz Unit B: Transmission; 53.65 MHz/Reception; 50.65 MHz
Transmission Direction	Communications in both directions between a pair of (2) units (Other equipment cannot be connected between units.)
Connector	
AP Line Terminal	BNC
Video Input/Output Terminal	BNC (DC-8 MHz, loss: under 1 dB)
Audio	
Modulation System	FM
Frequency Deviation	± 75 kHz (1 kHz)
Frequency Response	100 - 10,000 Hz
S / N Ratio	54 dB (MIC)/65 dB (LINE)
Input	MIC: -60 dB*, 2 k Ω , unbalanced, phantom power (externally connected to microphone input terminal) LINE: -20 dB*, 10 k Ω , unbalanced (MIC/LINE switch-selectable)Removable terminal block (3 pins)
Line Output	0 dB*, 10 k Ω , unbalanced, pin jack
Speaker Terminal	Max. 1 W, 8 Ω , removable terminal block (3 pins)
Contacts	
Transmission System	Sub-carrier AM (DTMF)
Contact Input	4 contacts, no-voltage make contact input, open voltage: 12 V DC, loop resistance: under 200 Ω (short-circuit current: 5 mA), removable terminal block (8-pins)
Contact Output	4 contacts, open collector output, withstand voltage: 30 V DC, Current: max. 10 mA, removable terminalblock (8 pins)
Operating Temperature	-10°C to +50°C
Operating Humidity	Under 90% RH (no due condensation produced)
Finish	Panel: Pre-coated steel plate, black, 30% gloss Cover: Pre-coated steel plate, black, 30% gloss
Dimensions	210 (W) \times 47.4 (H) \times 126.5 (D) mm (represents value per unit)
Weight	815 g (represents value per unit)
Accessory	Microphone (fitted with a microphone mounting plate and 3 pins connector) \times 1, Wall mounting bracket \times 4, Wall mounting screw \times 8, Wall mounting bracket mounting screw...8, Microphone mounting screw \times 1, Microphone mounting plate mounting screw \times 2, Removable terminal plug (3 pins) \times 3, Removable terminal plug (8 pins) \times 4

Note: The C-AP105 includes one each of Unit A and Unit B.

APPEARANCE AND DIMENSIONAL DIAGRAMS



TOA Corporation

URL : <http://www.toa.jp/>

Specifications are subject to change without notice.
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