



TSE 6204
Video and Audio Transmitter
Button
Body Worn Applications

TSE 6204 Video and Audio Transmitter, Button, body worn application

TSE-CBTX camera transmitter system, is designed to allow the operator true flexibility when using bodyworn equipment.

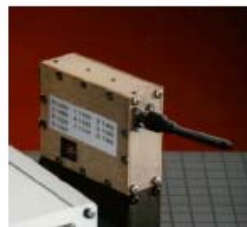
Using the latest lens technology it is possible to disguise the camera lens as a button allowing the operative to fit into the jacket the camera, transmitter, microphone and battery pack neatly and importantly covertly.

The transmitter is the TSE-250 video audio transmitter operating on the lower side of the L band frequency, this gives the best transmission results when body worn, the transmitter will not only transmit the video signal but also the audio on the built in audio sub carrier, it is possible to use any combination of cameras with this transmitter, such as black & white high low light, different camera & lens combinations.

The transmitter supplies power for electret microphone in use.



Button Camera



TSE-250 Video Audio Transmitter

The system is run from a 12vdc battery power pack, in continuous use the system will transmit for up to 2.5 hours, longer times can be achieved by using bigger power packs.

The button camera can be in colour or monochrome depending on the situation and operational environment the system is to be used in. The system can be supplied with both cameras.

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Specifications;

TSE-250

Operating frequencies

RF power output
RF power impedance
Frequency stability
Video carrier deviation
Video input level
Video frequency response
Audio sub-carrier frequency
Audio sub-carrier deviation
Stereo version
Audio pre-emphasis
Audio frequency response
Audio input level

Power req. voltage
Dimensions
Working temperature
Weight
RF connector
Video connector
Audio connector
Supply connector

Audio Video Transmitter

1GHz–2.7GHz
Low Band 1GHz–1.4GHz in 10MHz steps adjustment by external rotary switch
Mid Band 1.4GHz–1.9GHz in 20MHz steps-10 preset channels
High Band 1.9GHz–2.7GHz in 25MHz steps-16 preset channels
Optional US model, 2.4GHz

250mW \pm 1dB
50W (SMA)
 \pm 300kHz
 \pm 4MHz (FM)
1Vpp adj. 75W (BNC)
50Hz–5MHz +0/-2dB
1.5MHz–7.5MHz
 \pm 50kHz FM
8.065MHz Ch1, 7.500MHz Ch2
Standard 50ms
20Hz–15kHz \pm 3dB
LINE 100mV into 5KW
MIC input 20mV for electret microphone (internal link selectable)

12.5Vdc, current 105mA
52mm x 64mm x 23mm
-10/+50°C
150g
SMA female
BNC female
RCA female
2 pole direct insertion

Button Camera

Specs

Image Sensor=1/3" CCD (B/W) 1/4" CCD (Colour)
Resolution=400 Lines (B/W) 380 Lines (Colour)
Min. Illumination=.05 Lux (B/W) 1 Lux (Colour)
Lens=3.7mm Wide Angle
Pixels=270,000
Sync. Type=Internal
Shutter Speed =1/60 ~ 1/100,000sec
S to N Ratio=45dB
Rev. Polarity Protection=Yes
Power Required=9 Volts
Current Consumption=150mA Max.



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