



# NT Series Transmitter



## Specifications:

### RF

Frequency range: 0.9 – 6 GHz (in bands)  
(other frequencies available)  
Frequency stability:  $\pm 0.005\%$   
Power output: 10 mW, 250 mW  
(Factory set)  
Spurious: Lower than -25 dBm  
Sensitivity:  $\pm 4\text{MHz/Volt (FM)}$

### Audio (FM/FM modulated)

Sub-carriers available: 4.83, 5.8, 6.0, 6.2, 6.5, 6.8  
(any one): 7.2, 7.5, 8.3, 8.5, 8.59 MHz  
Input impedance:  $>10\text{ K}\Omega$ , unbalanced  
Frequency response: 50 Hz to 15 kHz:  
1 dB peak-to-peak

### Power

Voltage: 11- 15 VDC  
mounting  
Current: 80 mA at 10 mW RF out  
200 mA at 250 mW RF out

### Mechanical

Size (Inches): 0.9 x 1.3 x 0.38 (less  
flange) = 0.44 inch<sup>2</sup>  
Weight:  $<1\text{ oz. (28.4 grams)}$   
RF output connectors: SMA-F

### Video (FM modulated)

Input impedance 75 $\Omega$   
Input Level: 1 Volt (peak-to-peak)  
Pre-emphasis: Per CCIR 525/625 line  
Frequency response: 10 Hz-5 MHz (NTSC)  
or 5.5 MHz (PAL)

### Video/audio/power connectors:

JST,ZR  
9 Pins  
Pin 1: Video in  
Pin 2: GND  
Pin 3: VCC  
Pin 4: +5 VDC (MIC bias)  
Pin 5: Audio in  
Pin 6: PA shutdown  
(output TTI signal)

### Environment

Temperature: -20° to +60° C  
Humidity: Up to 100% non-condensing