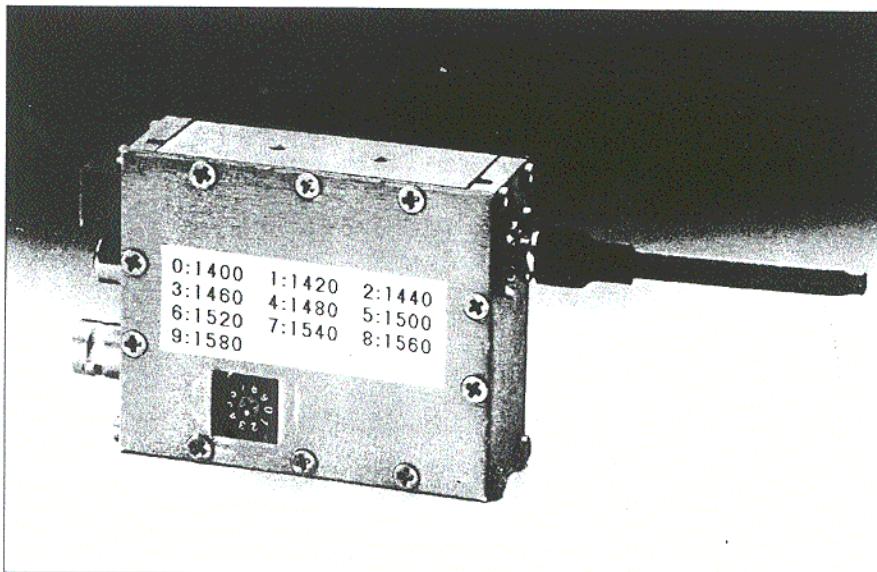


# MTX 2100



## Audio/Video Transmitter

The MTX 2100 is a video transmitter using frequency modulation (FM) for both audio and video.

It allows transmission via radio of images and sound taken by a video camera (B&W or Colour) at a distance which in ideal conditions can reach 4 km.

The device is ready for the installation of an omni-directional antenna directly mounted on the RF output connector.

This transmitter may be used in a motor vehi-

cle or any other situation where the power is provided by a battery.

Depending on the use, a wide variety of antenna's are available. See separate spec sheets.

The unit may be linked to many different input devices including thermal imagers, low light and infra red cameras. Please see the various spec. sheets.

Adjustable frequency Low Band, Mid Band, High Band.

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JOB #: 278U0  
EXHIBIT #: 5A



# MTX 2100

## Technical Specifications

Working frequency	1GHz - 2.7GHz Low Band 1GHz - 1.4GHz 10mHz steps Adjustment by External Rotary Switch Mid Band 1.4GHz - 1.9GHz 20mHz Steps 10 Preset channels High Band 1.9GHz - 2.7GHz 25mHz steps 16 Present channels optional
RF power output	100MW ±1dB
RF output impedance	50Ω (SMA)
Frequency stability	± 300kHz
Video carrier deviation	± 4mHz FM
Video input level	1V pp adj. 75Ω (BNC)
Video pre-emphasis	C.C.I.R. 405 specification
Video freq. response	50Hz - 5mHz + 0/-2dB
Audio sub-carrier freq.	1.5mHz to 7.5mHz
Audio sub-carrier deviation	±50kHz (FM)
Audio pre-emphasis	Standard 50µs
Audio freq. response	15 - 10,000kHz ± 3dB
Audio input level	Line 100mV 5KΩ Mic input 20mV for Electret microphone Internal link selectable
Power req. voltage	12.5Vdc current 105mA
Dimensions (mm)	52 x 64 x 23mm (L x H x D)
Working temperature	-10°C to +50°C
Weight	150g
RF connector	SMA female
Video connector	BNC female
Audio connector	RCA female
Supply connector	2 pole direct insertion

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