

FEATURES

- Real time video radio transmitter and receiver
- PAL colour or monochrome CCTV
- Four Channels
- 1V pk – pk 75Ω video Signal
- Pan & Tilt or RS232 / RS485 Control System (option)
- ETSI 300-400-1 Licence exempt
- Range 0.5 km - 2 km Line of Sight
- 2.4Hz – 2.8 GHz FM modulation
- Compact size
- 12V DC supply



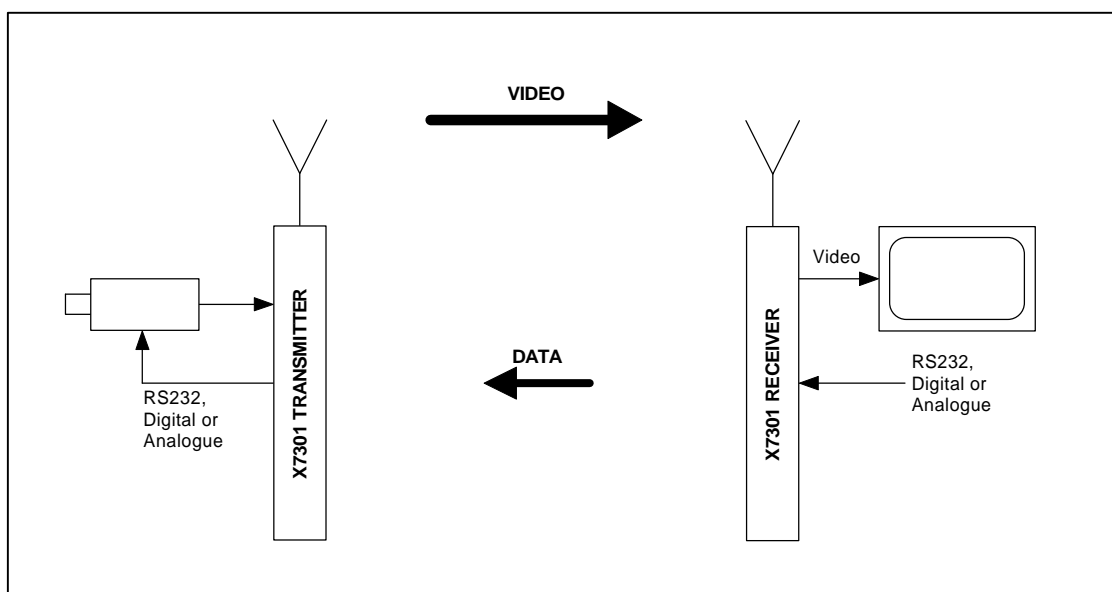
DESCRIPTION

The licence exempt X7301 CCTV Video Link consists of a compact 10mW radio transmitter and a highly sensitive radio receiver. Real time colour and monochrome composite video signals are presented to a BNC connector on the transmitter. These are then passed over a radio link to a phono connector output on the receiver. A range of 0.5Km to 2Km is possible in free space.

Serial, analogue or digital camera controls signals can be transmitted back to the video transmitter via a licence exempt 458MHz radio link if required.

Both the receiver and transmitter are powered from a regulated 12 volt source at 250mA.

BLOCK DIAGRAM



INSTALLATION:

TRANSMITTER

Mount the camera in the correct position. Connect the video cable to the BNC video terminals using 75 ohm coaxial cable. Connect a regulated 12V power supply rated at greater than 0.5 amps to the power input ensuring the correct polarity.

RECEIVER

Connect the VID and GND video terminal to a monitor using 75 ohm coaxial cable with a Phono connector. Connect a regulated 12V power supply rated at greater than 0.5 amps to the power input ensuring the correct polarity.

PROPAGATION

With any radio system there are a number of factors which affect the system performance. These are:

- Transmitter output power
- Height of transmitter and receiver antenna
- Length and type of coaxial antenna feeder
- Topography between transmitter and receiver
- The weather

TECHNICAL SPECIFICATIONS

ABSOLUTE MAXIMUM RATINGS

Storage Temperature: -30 to +85° Celsius.
Operating Temperature: -25 to +55° Celsius.

DIMENSIONS:

Transmitter: 150, 100, 35mm
Receiver: 157, 110, 50mm

ELECTRICAL CHARACTERISTICS	MIN	TYPICAL	MAX	DIMENSION	NOTE
Frequency	2.4		2.8	GHz	MPT 1349
Channels		4			
Modulation		FM			
Range		500	2000	Metres	
RF Power		10		mW	ERP
Video Input / Output		1V			PAL/Mono
Supply Voltage	11	12	14	Volts	
Supply Current	450	500	550	mAmps	

For more information or general enquiries, please contact

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