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# LUV-200S

## LONG DISTANCE VIDEO SURVEILLANCE SYSTEM

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This is a World's smallest 2.4 GHz video transmitter made for special applications. This transmitter is a single channel unit and comes in 8 different channels in 2.3 GHz - 2.5 GHz range. This unit can be used in the wide temperature range -40° C up to 75° C! The range is app. 5 miles line-of-sight from the AIR! Weight of this transmitter is 18 grams.

### **COMPLETE SYSTEM INCLUDES:**

- MOST POWERFUL SMALLEST VIDEO TRANSMITTER LUV-250
- RECEIVER OPTIONS VRX-24 LTM or VRX-24 L
- TWO ANTENNAS RUBBER DUCKY AND ONE PN 24
- AMPLIFIER AMP 18/24 M

<b>Transmitter Technical Specifications</b>	
BATTERY OPERATED	7.5 V- 12 V RF
POWER	Max. 250 mW
PICTURE QUALITY	BROADCAST
RANGE	UP TO 5 km from the Air
CURRENT CONSUMPTION	150 mA / 12V
VIDEO SIGNAL	1V, 75 ohm
SMALLEST SIZE	1.5" X 0.8" X 0.22"
PREEMPHASIS FILTER	BUILT-IN
ANTENNA IMPEDANCE	50 ohms
TV SYSTEMS:	NTSC, PAL or SECAM
POLARITY PROTECTED	YES
WEIGHT:	18 grams
AUDIO INPUT:	ON REQUEST
VIDEO INPUT CONNECTOR	RCA MALE
FREQUENCY	2.452 MHz (SINGLE CHANNEL)
WIDE TEMPERATURE RANGE	-20 +60* C
PLL CONTROLLED	SINGLE CHANNEL
ANTENNA CONNECTOR	SMA
1 YEAR WARRANTY	INCLUDED

<b>Receiver Technical Specifications</b>	
Operating Frequencies:	2300 MHz- 2500 MHz
Channel:	#1, 2, 3, 4, 5, 6, 7, 8
DC Voltage:	9 V- 12 V
RF power:	N/A
Minimum required voltage:	9 V
Battery power:	12 V/ 300 mA
Video distortion:	3%
Sensitivity:	-92 dBm
Video Format:	PAL, NTSC
Current Consumption:	280 mA / 9 V
Antenna:	Recommended high gain, omni directional ant.
Antenna Connector:	SMA
Impedance:	50 ohms
Video output Connector:	RCA F
Video Impedance:	75 ohms
Two Audio outputs:	300 mV per channel
Carrier frequencies for audio channels:	6 MHz and 6.5 MHz
Temperature Range:	-25 +65* C
Dimensions:	2.5" X 5.7" X 0.8"
Weight:	200 grams
Demodulation:	WFM