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# MX-3000S

## LONG DISTANCE VIDEO SURVEILLANCE SYSTEM

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Audio-video transmitter MX-3000 has 8 agile channels in 2.3 - 2.5 GHz range. It is extremely small, light (8 grams), sophisticated unit that will work from 6 V battery power! This is a great audio-video transmitter for MAV applications excellent for special flying models where the weight and battery power are critical factor. With receiver VRX 24L you can obtain distance over 3 km from the Air using special high gain antenna on the receiving end with amplifier model: AMP-18M/24! This wireless video system is excellent for Micro Aircraft Vehicle (MAV) operations, experiments, surveillance etc... Part 90 FCC approved including all receivers VRX series.

### **COMPLETE SYSTEM INCLUDES:**

- MX-3000 AUDIO-VIDEO TRANSMITTER
- RECEIVER VRX-24 L
- TWO RUBBER DUCKY ANTENNAS
- RECEIVER AMPLIFIER AMP-18VEM

<b>Transmitter Technical Specifications</b>	
Operating Frequencies:	2400 MHz- 2500 MHz
Channels:	On board selectable
DC Voltage:	12 V
RF power:	50 mW/ 9 V
Minimum required voltage:	9 V
Battery power:	12 V
Video distortion:	3%
Maximum range:	N/A
Video Format:	PAL, NTSC
Current Consumption:	160 mA / 12 V
Antenna:	N/A
Antenna Connector:	SMA
Impedance:	50 ohms
Video Connector:	RCA F or open wire
Video Impedance:	75 ohms
Video level:	1 V
Temperature Range:	-40 +75* C
Dimensions:	1.5" X 1" X 0.3"
Weight:	7.5 grams
Modulation:	WFM

<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