

# Microwave Transmitters



## KST-250 1/4 WATT VIDEO TRANSMITTER

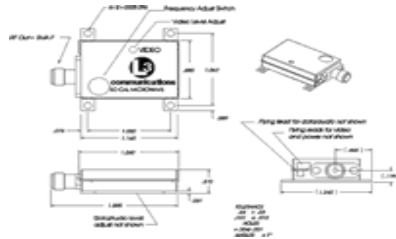
### Features:

- √ 1/4 Watt Output Power
- √ 16 Channels
- √ One Audio Sub-carrier
- √ Miniature
- √ Available in 100 MW
- √ .41 Cubic Inch

Price \$1500

### Specifications:

Power:	1/4 Watt
Voltage:	9-15 Vdc
Current:	90 to 140 Ma
Size:	.41 Cubic Inches
Audio Sub-carrier:	4.83-8.5 Mhz



### Description:

This video transmitter microwave transmitter is the smallest 1/4 watt transmitter on the market place today. Frequency ranges that are available are from 900 Mhz to 5900 Mhz. This unit can be body worn with our dual antenna system with a range of 2000' or more.

“Cricket”



## KST-250/2 1/4 to 2 Watt Video Transmitter

### Features:

- √ UHF, L, S, or C-Band Operation
- √ Single or Multi-Channel Options
- √ 1/4, 1, or 2 Watt RF Output Options
- √ High Quality NTSC or PAL Color Video
- √ 5 Cubic-Inch Compact Size for Concealment Applications
- √ Single or Dual Audio Subcarriers

Price \$2500

### Specifications:

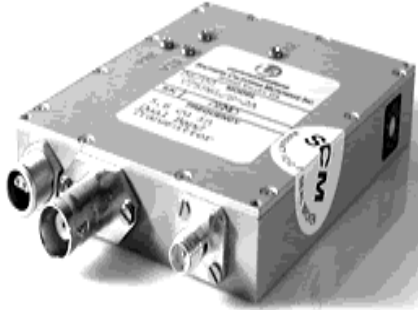
Power:	1/4 to 2 Watt
Channels:	48
Bands:	UHF, L, S, C
Voltage:	11 to 18 Vdc
Current:	1 Amp
Audio sub-carriers:	2
Size:	.6 x 3.25 x 2.45

### Description:

The KST-250/2 transmitter was designed for those who want a dual power transmitter. This unit is available up to 48 channels, over a 200 Mhz bandwidth. Great for remote control devices such as our SAM-9000 or vehicle covert applications.

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# Microwave Transmitters



## KST-2/500 2 to 5 Watt Video Transmitter

### Features:

- √ UHF, L, S, or C-Band Operation
- √ Single or Multi-Channel
- √ 2 or 5 Watt RF Output
- √ High Quality NTSC or PAL Color Video
- √ Single or Dual Audio Subcarriers
- √ Low Current Draw for Extended Operation Time

Price \$3800

### Specifications:

Power:	2 to 5 Watts
Voltage:	11 to 18 Vdc
Current:	1.2 to 2.2 Amps
Audio Sub-carriers:	2
Band:	UHF, L, S
Channels:	Up to 48
Size:	.6" x 3.3" x 2.7"

### Description:

This unit offers the maximum R.F. output for Law Enforcement. Up to 16+ channels can be programmed along with 2 audio channels. Great for all long range applications.



## KST-12 5 or 12 Watt Video Transmitter

### Features:

- √ L, S, Dual L - S, C, or X-Band Operation
- √ Advanced Microprocessor Control
- √ Local and Digital Remote Frequency Selection
- √ High-Quality NTSC or PAL Color Operation
- √ 20 Cubic Inch Compact Size
- √ L or S-Bands Available in 5 and 12 Watt Outputs
- √ Dual Output Power Levels

Price \$ 5500

### Specifications:

Power:	5 to 12 Watts
Voltage:	11 to 16 Vdc
Current:	1.1 to 5.5 Amps
Audio Sub-carrier:	2
Bands:	L and S
Channels:	Continuous
Size:	4.25 x 3.25 x 1.48"

### Description:

This is one of our most powerful video transmitters. The unit may be remotely controlled via RS232, RS0422 or RS-485.

This unit offers a dual R.F. output required in many applications. This unit is recommended for our airborne operations and must be used with a heat sink.

# Microwave Receivers



## KSR-357 Video Microwave Receiver - 8 Channels

### Features:

- √ 12 Vdc Operation
- √ 6.0 & 6.5 Mhz Audio Subcarriers
- √ NTSC Video Output
- √ Color
- √
- √

Price \$995

### Specifications:

Frequency Range:	1700 -1800 Mhz 2400-2500 Mhz
Pre-set Channels:	8
Audio Channels:	6.0 and 6.5 Mhz
Field Strength Meter:	Yes
Sensitivity:	-80 dbm
Case:	Metal - Black Anodized
Size:	
Voltage:	12Vdc @140 Ma

### Description:

This 8 channel mobile receiver is mounted in a metal case with mounting holes that allow mounting under the dash, in the center console, or in the trunk of the police car.

The 8 channel selector switch is easy to operate and the built-in field strength meter allows observation of receiver signal.

Mobile LCD monitors are available in many sizes and mounting configurations.



## XR-100 Video Microwave Receiver 16 Ch

### Features:

- √ 16 Frequencies
- √ Field Strength Meter
- √ -80 dbm Sensitivity
- √ Small
- √ All Bands
- √
- √

Price \$2700

### Specifications:

Frequency Range:	1.7 to 6.0 Ghz
Channels:	16
Voltage:	11 to 15 Vdc
Sensitivity:	-78 dbm
Output:	1 V p-p
Audio Channels:	2

### Description:

The XR Series of receivers from GMS are advanced technology microwave receivers capable of operation at 1.7-1.85, 2.0-2.7, 4.4-5.0, 6, 7, and 8 GHz bands. The XR Series demodulates one video and two audio signals from a composite analog RF source. The XR Series is fully synthesized and operates up to 16 pre-programmed Channels. The Channel Select is controlled by a microprocessor and a BCD rotary switch sets the desired channel. The XR includes LED display for representation of power and signal strength to facilitate path alignment. The XR Series features an integral RF Band Pass Filter and Low Noise Amplifier at the RF input with a nominal noise figure of 4.5

# Microwave Receivers



## MR-100 Video Microwave Receiver

### Features:

- √ Multi-Channel Operation
- √ 2 Video Outputs
- √ Remote Controllable
- √ Wide Frequency Ranges Available
- √ Broadcast Quality
- √ Compact Size

### Specifications:

Frequency Range:	1.7 to 6 Ghz
Channels:	Multi
Voltage:	11 to 15 Vdc
Sensitivity:	-83dBm
Video Outputs:	2
Audio Outputs:	2
Size:	3.25 x 4.25 x 1.5"
Input Impedance:	50 Ohm
S/N Ratio	58 db

Price \$3995

### Description:

The MR series of receivers are designed for ease of operation. The channel frequency is displayed on an LCD display as well as the signal strength and audio channel being used. As many frequencies may be programmed into the unit as desired. The unit is very small and is our top of the line receiver.



## KSR-3500 Video Microwave Receiver Kit

### Features:

- √ 12 Vdc/115 Ac Operation
- √ VHS Recorder with Time and Date
- √ 8 or 16 Channel Video Receiver
- √ Optional Video Motion Detector
- √ Portable Rugged Case
- √ Direct Video Input

Price \$4695 Add

\$595 for VMD

### Description:

This receiver kit is designed for those who want their video tapes in VHS format ready for court. The unit has our exclusive dual purpose format (DPF) As a microwave receiver, all video is recorded, and processed direct or thorough the VMD. Secondly, the unit may be put in the direct format and all video input are switched to the front panel for camera testing or setup for direct recording of video. Such as a "Room Observer" operation.

### Specifications:

Frequency Range:	1700 to 2500 Mhz
Channels:	8 or 16
Monitor:	5.7" Color
Recorder:	VHS
Video Motion Detector:	Optional
Power:	12Vdc /115Vac
Current:	1.2 Amps

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# Microwave Receiver Kits



## KSR-3525 Video Microwave Receiver Kit

### Features:

- ✓ 8 Channel Receiver
- ✓ 12 Vdc Operation
- ✓ 5.7" LCD Monitor
- ✓ 6.0 and 6.5 Mhz Audio Sub-carrier
- ✓ Portable
- ✓ DPF Feature (Dual Purpose Format)

Price \$3495

### Description:

**Frequency Range:** 1700 to 2500 Mhz  
**Preset Channels:** 8  
**Audio Channels:** 6.0 and 6.5 Mhz  
**Monitor:** LCD-TFT- 5.7"  
**Field Strength Meter:** Yes  
**Power:** 12 Vdc  
**Weight:** Lbs  
**Size:** 13" x 12" x 6"  
**Case:** Pelican 1400  
**Options:** Internal battery \$125  
**Directional Antennas** Call

This kit contains our 8 channel video microwave receiver with a sensitivity of a -80 dbm and 2 audio sub-carrier channels. The three police frequencies of 2458, 2461, and 2475 Mhz are standard programmed frequencies. LAPD and LASO helicopter down link channels are also provided. The unit maybe ordered with your 8 private channels and two audio channels. The DPF feature is also incorporated in this unit for local testing of cameras and microphones. Cases are available in Black, Orange, Silver & Yellow.



## KSR-3550 Video Microwave Receiver Kit

### Features:

- ✓ Multi-channel Receiver
- ✓ Digital/Hi-8 Recorder with Date & Time
- ✓ Direct Frequency Readout
- ✓ DPF Feature (Dual Purpose Format)
- ✓ 5.7" LCD-TFT Monitor w/audio
- ✓ Pelican Case

Price \$6500

### Description:

**Specifications:**  
**Frequency Range:** 1.7 to 5.8 Ghz  
**Receiver Type:** MR-100  
**Recorder:** Sony D200  
**Monitor:** 5.7" LCD-TFT  
**Power:** 12Vdc @ 1.25 Amps  
**Size:** 18.5" x 15" x 7"  
**Weight:** 14.5 Lbs  
**Audio:** 2 Audio Channels

This new video microwave receiver kit brings you the ultimate in receiver kits with continues coverage receiver, 450 line resolution recorder, DPF feature, 2 audio & video outputs, operating on 12 Vdc. The microwave receiver may be programmed over a wide frequency range. An optional battery option may be added for \$125.00. A full range of directional antennas are available. (See Accessories or antenna section)

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# Video Microwave Kits



## KSR-3575 Video Microwave Receiver

### Features:

- ✓ 8 Channel Receiver
- ✓ 12Vdc Operation
- ✓ LCD-TFT-Color Monitor
- ✓ Two Audio Sub-Carriers
- ✓ Digital/Hi-8 Recorder
- ✓ Portable

Price \$3995

### Description:

<p><b>Frequency Range:</b> 1.7 to 2.5 Ghz</p> <p><b>Preset Channels:</b> 8</p> <p><b>Audio Channels:</b> 6.0 and 6.5 Mhz</p> <p><b>Monitor:</b> 5.7" Color LCD</p> <p><b>Field Strength Meter:</b> Yes</p> <p><b>Recorder:</b> D200</p> <p><b>Power:</b> 12 Vdc @ .930 Amps</p> <p><b>Weight:</b> 14</p> <p><b>Case:</b> Pelican 1500</p> <p><b>Color:</b> Black, Orange, Silver, &amp; Yellow</p>	<p>This kit contains an 8 channel video microwave receiver with a sensitivity of a -80dbm and has two audio sub-carrier channels of 6.0 &amp; 6.5 Mhz. The 3 police frequencies are standard a long with DOJ and LASO and LAPD helicopter video down link channels.</p> <p>The new Sony digital/Hi-8 recorder has been designed into the unit for high resolution recordings.</p> <p>As like all of our receiver kits, we provide direct video and audio input for local cameras.</p> <p>The video monitor has a direct output for a larger monitor, such as a TV set.</p>
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Shown with bubble top



## SAM-9000 Remote Controlled Camera Kit

### Features:

- ✓ Fully Remote Controllable
- ✓ 12 Vdc Operation
- ✓ Color or B/W Operation
- ✓ 1/4 to 2 Watt Video Transmitter
- ✓ 8 Channel Transmitter
- ✓ 15X300 mm Zoom Lens

Price \$9995

### Description:

<p><b>Specifications:</b></p> <p><b>Frequency Range:</b> All Ranges</p> <p><b>Power:</b> 12 Vdc</p> <p><b>Camera:</b> Color, KSC-231S</p> <p><b>Pan &amp; Tilt:</b> PTZ-357</p> <p><b>Lens:</b> 12X300 mm</p> <p><b>Material:</b> Laxan</p> <p><b>Transmitter:</b> !/4 watt to 2 watts</p> <p><b>Control:</b> VHF or UHF</p>	<p>The SAM-9000 is a portable video microwave camera system. The unit is remotely controlled by two way radio. The unit is housed in a Laxan optically clear material for rugged protection. The use of a color or low level light camera allows viewing in all types of scenarios. The pan &amp; tilt can sweep over a range of 320 degree area as well a + or -30 degrees vertical tilt. The unit was designed for SWAT operations, but is working well as a surveillance tool.</p>
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*Call for 4 page literature*

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# Video Microwave Kits

## CLK-2450 Video Microwave Clock Radio Camera

### Features:

- √ 1/4 Watt Transmitter
- √ Includes Audio
- √ Easy to Install
- √ Compatible with all Receivers
- √ Color or B/W
- √

Price \$2750

**Specifications:**  
**Frequency Range:**  
**Power Output:**  
**Audio Channel"**  
**Voltage:**  
**Camera:**

**All Ranges**  
**1/4 Watt**  
**6.5 Mhz**  
**115 Vac**  
**Color**

### Description:

This covert video microwave system includes our new "Cricket" 1/4 watt transmitter with one audio channel. The unit is easily installed in a hotel room for buys or covert interviews with kids or what ever. If your subject unplugs everything before talking, we can install a small 12 Vdc battery in the radio. (\$175.00)



## VPC-2450 Video Microwave Polecam

### Features:

- √ 1/4 Watt To 12 Watt Operation
- √ All Frequencies
- √ Two Way Controlled
- √ 16X160 Zoom Lens
- √ .1 Lux Color Camera
- √ Remove inside Camera for Gnd. Operation

Price \$\$16,000 to \$26,000 -Call for price

**Specifications:**  
**Frequency Range:**  
**R. F. Power:**  
**Control System:**  
**Voltage:**  
**Weight:**

**All Ranges**  
**1/4 to 12 Watts**  
**DTMF**  
**115 Vac**  
**Lbs**

### Description:

The VPC-2450 video surveillance pole camera system is a complete video microwave camera disguised as a standard 25 Kva utility pole transformer. The pan & tilt, zoom, focus are controlled by a two way radio DTMF tone system. Call for more information.

# Video Microwave Products

## KSS-J2 Video Microwave Jacket Camera



### Features:

- √ 1/4 Watt Body Safe Transmitter
- √ Dual Antenna System
- √ Color Camera
- √ 12 Vdc Battery
- √ Covert Camera in Denim Jacket
- √ Microphone Included

Price \$3200

### Specifications:

Frequency Range:	All Ranges
R.F. Power:	1/4 Watt
Antenna System:	Dual Antennas
Antenna Gain:	4 dBi- Right Hand
Voltage:	12 Vdc
Microphone:	Whisper

### Description:

Our Jacketcam comes with a color camera, 1/4 watt video microwave transmitter and our dual antenna system. A very sensitive microphone is also included in the jacket. The color camera uses a 3.7 mm lens which produces a wide field of view. When used with our 14 Dbi gain directional antenna, a range of 100 yards to 500 yards can be achieved.

*A 4 page brochure is available on this product*

## Periscope Video Microwave Camera

### Features:

- √
- √
- √
- √
- √
- √
- √     **j**

Price \$

### Specifications:

1

### Description:

This covert video microwave system is under development at this time and should be available by the end of the year.

# Microwave Antennas

## KSA-5-2450 Magnet Mount 5 Dbi Antenna



### *Features:*

- √ 5 dBi Gain
- √ Linear Type Antenna
- √ Magnet Mount
- √ 12" Cable
- √ TNC Connector
- √ Quick Deployment

Price \$95

### *Specifications:*

**Frequency Range:** 2400 to 2500 Mhz  
**Gain:** 5 dBi  
**Cable:** Low Loss  
**Connector:** TNC Male  
**Polorization:** Vertical

### *Description:*

This antenna can be used in portable systems that does not require a ground plane. Besides being used on a undercover car, it can be hidden in a drop ceiling or similar operation. Great for watch commanders car when desiring to receive the video down link from a helicopter.

## KSA-6 and 9- 2450



### *Features:*

- √ 6 db or 9 db Gain
- √ Linera Type Antenna
- √ "N" Female Connection
- √ Heavey Duty Construction
- √
- √

Price \$225

### *Specifications:*

**Frequency Range:** 2400 to 2500Mhz  
**Gain:**  
KAS-6-2450 6 dBi  
KAS-9-2450 9 dBi  
**Polarization:** Vertical

### *Description:*

These antennas are omni directional with vertical polarization. They are used for general purpose type applications. Such as: Command posts, Helicopters, and stakeouts.

# Microwave Antennas



## KSA-9D Directional Antenna

### Features:

- √ 9 dBi Gain
- √ Directional
- √ Linear Type Antenna
- √
- √
- √

Price \$195

### Specifications:

Frequency Range: 2400 to 2500 Mhz

Gain: 9 dBi

Size: 3" x 5.5

Polorization: Vertical

Beam Width: 75 Degrees

### Description:

Directional antennas are designed to direct the energy of the transmitter or receiver in one direction to extend the range of the link and cut down to chance of interception. This antenna has a 9 dB gain with a beam width of 75 degrees. Optional 10' cable with connectors \$85.

## KSA-14D Microwave Directional Antenna



### Features:

- √ 14 dBi Gain
- √ Narrow Beam Width
- √ Linear type Antenna
- √
- √
- √

Price \$

### Specifications:

Frequency Range: 2400 to 2500 Mhz

Gain: 14 Dbi

Size:

Polorization: Vertical

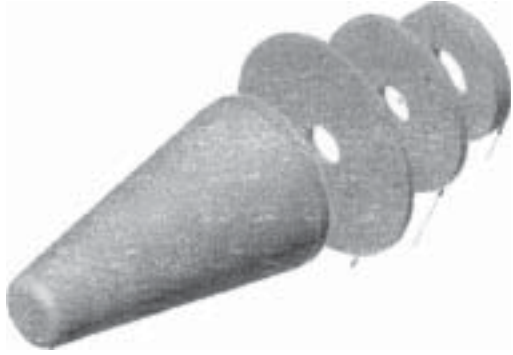
Beam width: 44 Degrees

### Description:

This 14 dBi antenna is great for point to point operations and body worn transmitters. The gain will increase your one watt transmitter to a full 25 watts ERP. Good all around antenna.

# Microwave Antennas

## KSA-4RH-2450 Microwave Antenna



### *Features:*

- √ 120 Degree Pattern
- √ 4 dBi Gain
- √ Right Hand Polarity
- √ Circular Polarized
- √
- √

Price \$995

### *Specifications:*

**Frequency Range:**  
**Gain:**  
**HPBW:**  
**Polarity:**  
**Power:**  
**Weight:**  
**Rating:**  
**Connector:**

**1.7 to 2.7 Ghz**  
**4 dBi**  
**120 Degrees**  
**RHCP**  
**20 Watts**  
**6 Oz**  
**Airborne**  
**“N” Female**

### *Description:*

The KSA-4RH-2450 antenna was designed to provide hemispherical coverage without nulls from boresite through below horizon. This antenna is the best antenna to use for video down link systems. One on the helicopter and one on the command post. It is a low silhouette type antenna, thus perfect for airborne and vehicle operation.

## KSA-4RHPAT-2450 Microwave Antenna



### *Features:*

- √ 7 dBi Gain
- √ Dual Polarization - RH or LH
- √ Wide Bandwidth
- √ Cable out back or bottom
- √ Small
- √

Price \$480

### *Specifications:*

**Frequency Range:**  
**Beam Width:**  
**R.F. Power:**  
**Bandwidth:**  
**Gain:**  
**Polarity:**

**1.7 to 4 Ghz**  
**120 Degrees**  
**10 Watts**  
**2%**  
**4 dBi**  
**Lin, RHCP, or LHCP**

### *Description:*

This is a great antenna for covert operations in a small space. Excellent for polecams, body worn applications where gain is important. CP type antenna give excellent results in reducing multi-path signals, thus eliminating the need for diversity type receivers in many cases.

# Microwave Antennas



## KSA-30-2450 Dish Antenna

### Features:

- √ 22 dBi Gain
- √ RH or LH Polarization
- √ 7 Lbs
- √ 40 Watts Power
- √
- √

Price \$1750 with mount

### Specifications:

Frequency Range:

Gain:

Diameter:

Weight:

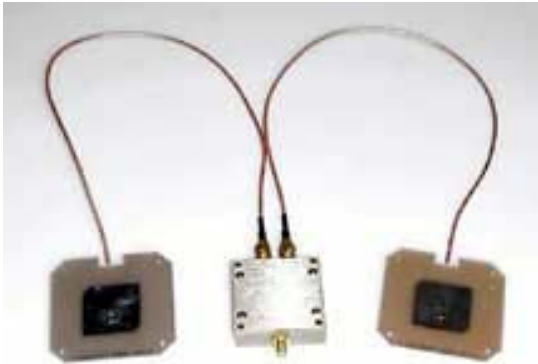
Beam Width:

### Description:

**Call** This dish antenna has the highest gain and the narrow-est beam width. It should be used for long microwave paths where security is important where intercept is almost impossible.

**22 dBi**  
**30"**  
**7 Lbs**  
**12.7 Degrees** Call us to configure this antenna to your needs or application.

## KSA-4X2-2450 Body Worn Antenna System



### Features:

- √ 4 dBi RH Gain
- √ Very Thin
- √ Coverage in all Directions
- √ Low Cost
- √
- √

Price \$250

### Specifications:

Frequency Range:

Gain:

Pattern:

Polarization:

2400 to 2500 Mhz

4 dBi

120 Degree

RH

### Description:

This patch antenna system is used for body worn applications. Generally one antenna is placed in the front of a jacket or waist band and the other antenna is placed in the back of the person wearing our 1/4 watt "Cricket" transmitter. The special coupler equally splits the signal into the two antennas.

# Microwave Antennas



## KSA-12D-2450 Directional Antenna

### *Features:*

- √ 12 dBi Gain
- √ Easy to Install
- √ Linear type Antenna
- √
- √
- √

Price \$225

### *Specifications:*

**Frequency Range:** 2400 to 2500 Mhz 1  
**Gain:** 12.5 dBi  
**Polorization:** Linear or Verticle  
**Size:**  
**Mounting:** Rear

### *Description:*



## KSA-8RH-2450 Microwave Antenna

### *Features:*

- √ 8 dBi Gain
- √ Circular Polorization
- √ Easy to Install
- √
- √
- √

Price \$145

### *Specifications:*

**Frequency Range:** 2400 to 2500 Mhz  
**Gain:** 8 dBi  
**Polorization:** RH  
**Size:** 15 x 15 x .4 Cm  
**Mounting:** Front  
**Beam Width:** 65 Degrees

### *Description:*

This is an ideal antenna for covert operations. Place inside concealments, and other devices such as polecams, utility boxes, and similar units.

