



## MIL Series Tactical Microwave Video and Audio Receiver



MIL Series Analog Tactical Receiver

- ❑ High Performance Tactical Microwave Video Receiver
- ❑ Handheld portable operation for tactical operations
- ❑ Built-in color video display
- ❑ Integral Antenna
- ❑ Multi-Channel operation
- ❑ L, S, and C – Band Models
- ❑ NTSC or PAL Standard
- ❑ Rugged Packaging
- ❑ 12 Vdc operation

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## MIL Series Analog Tactical Microwave Receiver

The MIL Series from AIRLINX Communications, Inc. offers a new level of flexibility, performance and reliability to the tactical environment. The MIL-100 Series will provide first responders with real-time video imagery to enhance assessment of tactical situations. The handheld unit displays video imagery transmitted by aerial assets or frontline surveillance platforms. True mobile and portable operations are practical using the MIL Series. Real-time tactical video improves decision-making and reduces response time. In addition to a high-quality video channel, the MIL Series includes an audio channel to support running commentary from an orbiting aircraft direct to ground personnel. Available in L, S and C-bands, the MIL-100 provides multi-channel operation. Packaged in a rugged aluminum housing, the construction lends the MIL Series to tactical applications where severe environmental conditions are the norm. An auxiliary video output connector allows connection of the MIL Series to an external video monitor to share video with command staff. The MIL Series receiver is well suited for applications in surveillance, law enforcement, fire protection, military UAV and RPV.

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## Technical Specifications

### Electrical:

- Frequency Range
  - MIL Analog 100L – 1.7 to 1.9 GHz
  - MIL Analog 100S – 2.2 to 2.5 GHz
  - MIL Analog 100C1 – 3.1 to 3.5 GHz
  - MIL Analog 100C2 – 4.4 to 5.0 GHz
- Antenna – Integral Patch
- Tuning Step – 1 MHz or Channelized
- Frequency Stability –  $\pm 0.002\%$
- Sensitivity – -78 dBm: 35 dB SNR un-weighted
- Video Monitor – 5.0 inch color LCD
- Video Output Impedance – 75  $\Omega$  unbalanced
- Video Output Response – 10 Hz to 4.5 MHz
- Video Output Level – 1 V p/p
- Audio – any two between 5.5 to 7.5 MHz
  - Phase Lock Loop
  - 20 Hz to 20 kHz  $\pm 1.5$  dB
    - 600  $\Omega$  Balanced Output
    - Line Level +4 dBm
- Video Standard – NTSC or PAL

### Environmental:

- Operating temperature: -10 to +65 °C
- Relative humidity: 0 to 95%, non-condensing

### Mechanical:

- 25-pin full function I/O connector
- Dimensions – 5.8 H x 6.4 W x 2.4 L inches
- Auxiliary Video Output – BNC female
- Housing – milled aluminum
- Weight – 2.1 lbs.
- Power Input – 4-pin PTO

### Power:

- Operating voltage: +11 - +14 Vdc
- Current: 1.5 A

### Options:

- VID-1 NTSC format
- VID-2 CCIR format
- FRQ-0 Fixed Frequency Single Channel
- SUB-1 Any frequency between 5.5 to 7.5 MHz
- SUB-2 Any frequency between 5.5 to 7.5 MHz

### Accessories:

Belt Belt batteries are available for use with a Sam Browne.

Batteries:

AIRLINX Communications, Inc.  
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