

# MiniLink<sup>®</sup> 5.8 GHz Series

## Wireless Video and Audio Transmission

### Product Features

- Transmit in ranges from 1000 feet to 1 mile
- 10 user selectable channels for simultaneous multi-unit operation
- Transmit a crisp, clear color or B&W picture of 500+ lines of resolution
- Operates at a higher frequency for less interference
- Compatible with quads, multiplexers & DVRs
- Easy to install – Plug and Play
- Mobile, flexible and versatile
- Cost effective
- Low power consumption transmitter for battery or solar operation
- Crystal controlled for frequency lock



ML 5.8-1000 FT System

The **MiniLink<sup>®</sup> 5.8 GHz** wireless system transmits video and audio signals in line-of-site ranges up to 1 mile. The advanced circuitry and latest technology utilized in the **MiniLink 5.8 GHz** system provides a reliable substitute when it is cost prohibitive, not possible or undesirable to use coaxial cable, fiber or twisted pair.

The **MiniLink 5.8 GHz** system is easy to install which saves valuable installation time and labor costs. It is also mobile and versatile for applications where the area being monitored may need to be changed. Ten user selectable channels make it easy to employ several systems in the same general area without interference between systems. For large multi-camera applications, depending on the layout of area to be monitored, it may be possible to reuse frequencies.

The transmitter in **MiniLink 5.8 GHz** system requires a very low power making it ideal for applications that require solar or battery power.

The **MiniLink 5.8 GHz** system can be used for a variety of applications and solutions, including:

- Security & Surveillance – School and Corporate Campuses, Warehouses, Retail, Manufacturing, Public Attractions, Ranches, Stables and Farms.
- Intelligent Traffic Control Systems – Highways, Intersections, Parking Lots and Garages
- Homeland Security – Ports, Airports, Borders, Utilities, Parks and Monuments
- Government Agency and Military – Bases, Forward Deployment, Special Operations Teams
- Law Enforcement – Local and State Police, Bomb Squads, Search and Rescue Teams



# MiniLink® 5.8 GHz Series

## Technical Specifications

### Transmitter Specifications

#### RF SECTION

Power Output	50 mV/Meter @ 3 Meters
Transmitting Frequency	5741, 5754, 5767, 5780, 5793, 5806, 5819, 5832, 5845, 5858 MHz
FCC ID	JRR-PS37-4

#### VIDEO SECTION

Color Format	NTSC/PAL
Pre-emphasis	CCIR 405-1, 525 lines
Input Level	1.0 V P-P @ 75 Ohms

#### AUDIO SECTION

Input Level	Line Level 0.5 V P-P @ 10 K Ohms Microphone Level 50 mV P-P
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#### MECHANICAL

Dimensions	2.75" x 2.75" x 1.5"
Weight	9.04 oz
Connections	Power supply, video & audio BNCs

#### POWER

Power Requirements	7-14.5 VDC @ 80 mA Reverse voltage protected
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#### ENVIRONMENTAL

Humidity	95% non-condensing
Operating Temperature	-20F to +180F

### LNB Specifications

#### RF SECTION

LO Frequency	4770 MHz
IF Output	971 to 1088 MHz

#### MECHANICAL

Dimensions	2.75" x 2.75" x 1.3"
Weight	7.7 oz
Connections	Waterproof "F" connectors (2 included with system)
Cable (not included)	RG 6 Coaxial Cable (10 ft - 100 ft)

#### POWER

Power Requirements	9-16 VDC @ 220 mA
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#### ENVIRONMENTAL

Humidity	100% non-condensing
Operating Temperature	-20F to +180F

#### RANGES

1000 Feet	Transmitter to LNB
2500 Feet	Transmitter to LNB w/ 6" Patch
1 Mile	Transmitter to LNB w/ 18" Dish

#### ORDER CODES:

ML 5.8-1000 (E), ML 5.8-2500 (E), ML 5.8-1 (E)  
Include E at the end of the part number to include weather enclosure.

### Receiver Specifications

#### RF SECTION

Input Frequency Range	971 MHz to 1088 MHz
Frequency Control	Synthesized PLL
Input Impedance	75 Ohms
IF Bandwidth	15 MHz
Static Threshold	6 dB (Typical)
Image Rejection	40 dB (Typical)

#### VIDEO SECTION

Format	NTSC/PAL
DE-Emphasis	CCIR 405-1
Frequency Response (3 dB)	50 Hz to 3.8 MHz
Output Level	1.0 V P-P +/- 5%
Output Impedance	75 Ohms

#### AUDIO SECTION

Sub-carrier Frequency	6.0 MHz
Bandwidth	150 KHz
Frequency Response (3 dB)	50 Hz to 18 KHz
Output Impedance	10 K Ohms (unbalanced)

#### MECHANICAL

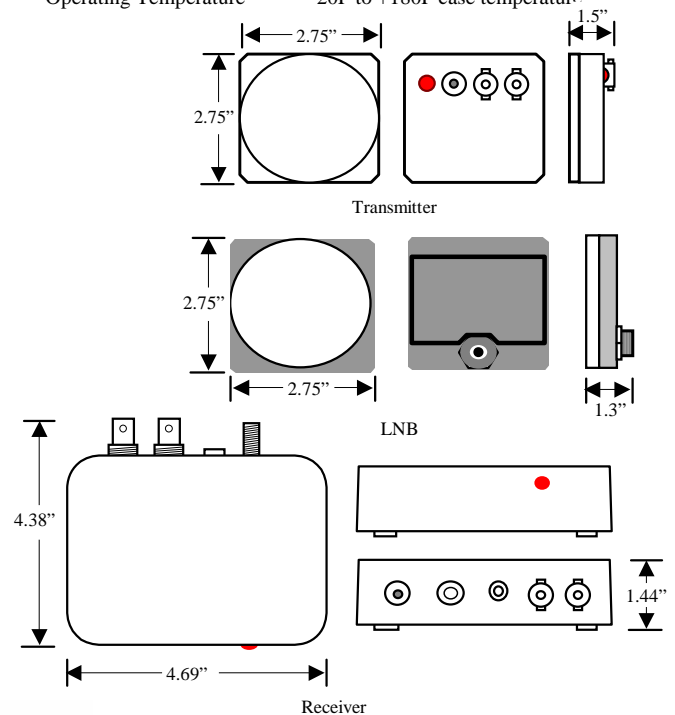
Size	4.69" w x 4.38" d x 1.44" h
Weight	16 oz

#### POWER

Power Requirements	10-14.5 VDC @ 220 mA Internally fused, reverse voltage protected
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#### ENVIRONMENTAL

Humidity	95% non-condensing
Operating Temperature	-20F to +180F case temperature



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