



Fiber Optic, Wireless and Network Transmission

MiniLink[®] 5.8 GHz Series

5.8 GHz Wireless Video and Audio Transmission

Product Description

The MiniLink 5.8 GHz Series is a license-free plug and play wireless system that transmits video and audio signals in line of sight ranges of up to one mile. The system replaces a coax cable connection where it is not possible, cost effective or desirable to run a cable. With ten user selectable frequencies, multiple video and/or audio sources can be transmitted within the same environment. Compact and rugged low voltage system design built for outdoor wireless projects in a wide variety of conditions. The MiniLink 5.8 GHz provides connectivity for analog devices such as: CCTV cameras, DVRs, multiplexors and other analog devices in ranges of up to 1 mile.

Product Features

- Transmit in ranges of up to 1 mile (determined by selected model number see back side)
- 10 user selectable non-overlapping channel positions enabling multiple systems and avoiding frequency drift
- Plug and play operability
- Compact billet aluminium casing
- Transmit a crisp, clear color or B&W picture of 500+ lines of resolution
- Low power consumption ideal for solar or battery operation
- Mobile, flexible and versatile
- 5.8 GHz avoids high traffic 2.4 GHz band
- Cost effective alternative



flexible • reliable • proven

www.kbcnetworks.com www.microtekelectronics.com

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Version No. 090506

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

Outdoor Kit Part Numbers

ML 5.8-1000E	Base range kit, up to 1000 feet, clear line-of-sight.
ML 5.8-2500E	Mid-range kit, up to 2500 feet, clear line-of-sight.
ML 5.8-1E	Long range kit, up to 1 mile, clear line-of-sight

Each ML-5.8 Series Outdoor Kit includes:

- 1 - 5.8 GHz transmitter with integral patch antenna
- 1 - 5.8 GHz LNB with integral patch antenna
- 1 - 5.8 GHz receiver
- 1 - Outdoor enclosure and wall/pole mounting kit
- 2 - 12 VDC power supplies

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

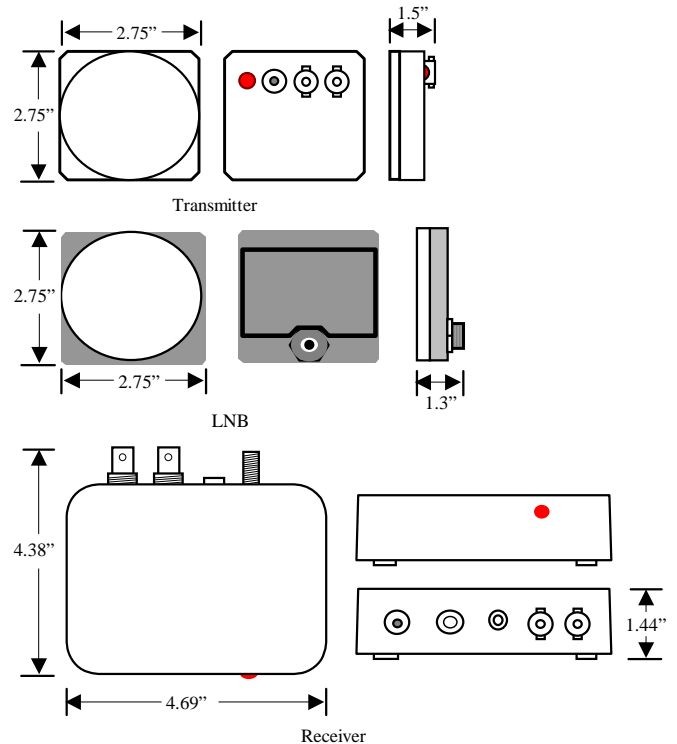
Size	4.69" w x 4.38" d x 1.44" h
Weight	16 oz

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



Due to ongoing technological improvements, product specifications are subject to change without notice

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