



Video Transmission Systems for Evolution® Series TICs

All Evolution Thermal Imaging Cameras can be equipped with MSA's remote wireless video transmission systems, which allows the image to be transmitted to remote receiving stations to enhance firefighting training and other situations.

The Evolution 4000-Series TICs have optional internal transmitter systems that can be ordered new or added to upgrade after purchase. The Evolution 5000-Series Transmitter is a standalone unit ideal for field deployment.

Two types of receiving stations are available for maximum user flexibility and convenience. Both transmission and receiver systems operate on two user-selectable channels in the 2.4 GHz frequency.

All Evolution TIC Transmitters and Receiver Kits are fully compatible with one another.





Key Features:

- Simple, one-button operation simplifies use.
- Self-contained, modular design allows for maximum flexibility to deploy the transmitter easily when needed. Requires no modification to the TIC.
- Independent power supply does not draw power from the TIC battery, thus allowing for maximum run time of both TIC and transmission system. (Evolution 5000-Series TIC)
- Compact, lightweight package maintains the ergonomic profile of the Evolution 5000-Series TIC.

Mini Receiver Kit

The Mini Receiver Kit enables users to customize your own video monitoring and recording setup. The kit includes a two-channel receiver, multiple power cords, and additional adapters packaged in a

soft-sided case, with additional room for accessories and the transmitter. Receiver kits come standard with a magnetic-mounted, omni-directional antenna.



Deluxe Receiver Kit

The Deluxe Receiver Kit provides users with a complete solution for viewing transmitted images using a single receiver console. The kit features a 12" display that is integrated into the lid of the protective Pelican case. It comes complete with an omni-directional antenna, and wall-type and cigarette-lighter powered supply cords, which can use either 110-220 volt AC, 12 volt, or DC current.

Control module video output jacks can be used to connect either a VCR or an additional remote video monitor. Adapters are provided to convert the BNC connection to an RCA-style plug. The custom case also includes space to carry the detachable Evolution 5000-Series Transmitter.



Description	Part Number
Evolution 5000-Series Transmitter, complete with single battery pack. (Battery charger can be ordered separately, or the desktop or Universal Charger with your Evolution 5000 Series TIC can be used.)	10047573
Lithium-Ion Battery Charger	10041100
Replacement Battery	10038412
Evolution 5000 Series Transmitter and Deluxe Receiver Kit	10050375
Evolution 5000 Series Transmitter and Mini Receiver Kit	10050376

* Contact MSA Customer Service at 1-877-MSA-FIRE for upgrade instructions and to obtain a service notification.

Description	Part Number
Deluxe Receiver Kit, with receiving station and integrated 12" display, magnetic-mount omni-directional antenna, wall-type and cigarette-lighter power supplies, and BNC-to-RCA adapters in a hard-sided Pelican case	10048135
Mini Receiver Kit, with receiver, magnetic-mount omni-directional antenna, wall-type and cigarette-lighter power supplies, connection cable for external monitor and BNC-to-RCA adapters in a soft-sided, easily transportable case	10048134
Optional High-Gain directional Panel Antenna with tripod mount	10019650
Cable for Panel Antenna	10020166

Evolution 5000 Transmitter

Specifications

Frequency	2.4 GHz, analog signal
Transmitted Power	450mW EIRP
Antenna Type	Dipole
Power Supply	Lithium Ion Battery
Run Time	4 hours (Transmitter Only)
Channel Selection	2-Channel, 2458 and 2474 MHz
Mounting	Externally mounted to TIC
Transmission Range	1-mile line of sight
FCC Approvals	Part 90 ID# RPNE5KTX10046340
Dimensions	8.5" x 5.5" x 5"
Weight	13 oz (16 oz with battery)
Construction	Flame-Impact- & Water-Resistant



Evolution 5000 TIC and Video Accessories

Receiver Kits

Specifications	Deluxe Receiver	Mini Receiver
Power Source	110-220 wall plug or 12 V cigarette adapter	110-220 wall plug or 12 V cigarette adapter
Display	12" diagonal color display embedded in lid of carrying case	User supplied - 2 BNC-type video out connections
Antenna	Magnetic-mount, 5dBi omni-directional antenna is standard. Tripod-mounted directional panel-type antenna 17dB Gain is available as an accessory	Magnetic-mount, 5dBi omni-directional antenna is standard. Tripod-mounted directional panel-type antenna 17dB Gain is available as an accessory
Carrying Case	Water-resistant Pelican case holds all components and can accommodate Evolution 5000 transmitter	Lightweight soft-sided case holds all components and can accommodate the Evolution 5000 transmitter
Components	BNC-to-RCA connection adapters	BNC-to-RCA connection adapters

Note: This Bulletin contains only a general description of the products shown. While uses and performance capabilities are described, under no circumstances shall the products be used by untrained or unqualified individuals and not until the product instructions including any warnings or cautions provided have been thoroughly read and understood. Only they contain the complete and detailed information concerning proper use and care of these products.



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