



PRODUCT SPECIFICATION FOR THE EVOLUTION[®] TIC REMOTE WIRELESS VIDEO TRANSMISSION SYSTEM

Prepared for:

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I. Purpose:

To establish minimum standards for remote wireless video transmission systems, specifically, MSA's Evolution TIC Remote Wireless Video Transmission Systems, utilizing an integrated, selectable 2-channel system which allows a user of any Evolution TIC to display the image (as seen by the TIC) to a remote location without hardware. These modular, high performance systems allow transmission of video signals from Evolution TIC's to a remote, fully-contained receiving station. State-of-the-art electronic and imaging components ensure that the Evolution Remote Wireless Video Transmission/Receiving Systems provide optimum performance for the firefighter.

A large, 12" LCD display is mounted in the lid of the Pelican case. A 7" antenna with magnetic base can be easily mounted on any surface to ensure a strong signal.

II. Type:

The remote wireless video transmission system covered by this specification shall be of the type incorporating a 2-channel, 2.4 GHz system. The primary application of the Evolution TIC Remote Wireless Video Transmission System will be incident command, training and other monitoring applications for firefighting, fire rescue, and other emergency response. The transmission system shall comply with heat, impact, and vibration resistance requirements that are indicative of the environment of use. The receiving case shall resist the ingress of dust and water and the integrated transmitter shall meet all Evolution TIC specifications when installed in the device.

III. Component Parts:

The transmitter shall be ordered in the respective Evolution TIC product by ordering the appropriate MSA product number indicating installation of the transmitter.

The corresponding receiver shall be ordered separately. Two models exist:

Deluxe Evolution Remote Wireless Video Receiver w/Integrated display MSA P/N 10018997

This receiving station contains a 12" diagonal LCD display within the lid of the case, necessary power and video conditioning circuitry, and user control interfaces. The system will accept either 110 VAC input or 12 VDC input via a cigarette lighter plug-type cable (included). The user has the ability to select frequency (two-channels). Two additional BNC output jacks allow the user to connect two additional video monitors, computer displays, or recording devices of the user's choice.



The **Deluxe Evolution Remote Wireless Video Receiver** product shall consist of the following component parts:

1. Deluxe Display/Receiver module with 2 BNC connectors
2. 7" Antenna with magnetic base
3. 10' Auxiliary Coaxial Video Cable
4. 2 RCA video input adapter jacks
5. 110 VAC power cord
6. 12 VDC Cigarette Lighter Adapter Cord
7. Grab-N-Go Carrying Case
8. Operation and Instructions Manual



Evolution Remote Wireless Video Mini-Receiver (w/o display) MSA P/N 10020165

This lower cost alternative to the Deluxe Evolution Remote Wireless Video Receiver allows the user to integrate receiving capability into a video monitor, computer display or recording device of the users choice.



The **Evolution Remote Wireless Video Mini-Receiver** product shall consist of the following component parts:

1. Receiver module
2. 7" Antenna with magnetic base
3. 10" Auxiliary Coaxial Video Cable
4. 2 RCA video input adapter jacks
5. 110 VAC power cord
6. 12 VDC Cigarette Lighter Adapter Cord
7. Carrying Case
8. Operation and Instructions Manual

IV. Specific Requirements:

Number of Channels: 2, user-selectable
Frequencies: 2458 / 2474 MHz
Transmission Range: Max. 2 miles line of sight
(range varies greatly, depending on the number of obstructions or interference sources)

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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Receiver Power Supply: Power is supplied by either 110 VAC or 12 VDC power as described above.

FCC Approvals: FCC parts 15 and 90
Other Approvals: EN emission standard, EN 50081-2:1992
EN immunity standard, EN 50082-1:1992

Carrying Case

Contents: Case will hold, as a minimum, all associated receiving stations components.

Water / Dust Ingress: International Standard CEI IEC 529; Degrees of Protection Provided by Enclosures; IP-55 Classification when latched

V. Warranty & Service

Express Warranty

MSA warrants that this product and its accessories are free from mechanical defects or faulty workmanship for 1 year from date of sale, not to exceed 18 months from date of manufacture, provided they are used and maintained in accordance with MSA's instructions and/or recommendations.

Replacement Parts

Replacement parts and repairs are warranted for 90 days from the date of repair of the product or sale of the replacement part, whichever occurs first.

Offices and representatives worldwide
For further information:

