



P O R T A B L E  
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# Tough Grabber

## Remote Viewing of any Portable Video Inspection on a PC or Laptop

**Tough Grabber** is a device that receives a wireless video signal from any WalkAbout II™ Video Inspection System and captures the image for display on a computer. This powerful tool allows a second set of eyes to view critical images in real-time, assess the situation, and assist in generating an action or response—while safely outside of a remote or hazardous environment.



The **Tough Grabber** is a stand alone, battery-powered RF receiver with a video frame grabber. It uses a watertight, external USB 2.0 interface to receive and convert the data—all packaged in a rugged waterproof enclosure. Tough Grabber uses a Zistos Windows-based software application, allowing the user remote access to real-time video images generated by the body worn WalkAbout. The system range varies from 300 - 1000 feet depending on transmitter options.

The software enables the user to capture still and video images for creating a permanent record of the remote images. Additional features include adding footnotes to images with text and graphics, generating reference measurements using the video scalar function and adjusting

image quality. The system is capable of streaming real-time video and emailing all images (with an appropriate wireless air card) via the internet to and from any location with broadband support.

This capability is very useful for both technical search specialists and tactical teams. The system facilitates a quick, easy set-up of a remote viewing station or command center for tactical or rescue scenarios using laptops that are already being utilized in the field.



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## Models available:

RX-USB-2.4A                      Compatible with WXMT-2.4A Transmitter;

## Case specifications:

Size:                                10 5/8" x 9 5/8" x 4 7/8";  
Weight:                            4.5 lbs. (including 8 'D' cells);  
Construction:                    Black plastic, crushproof, watertight when lid closed;

## Power requirements:

Power source:                    Internal holder for (8) alkaline 'D' cells (supplied);  
Power consumption:            RX-USB-2.4A – 100 ma;  
Run time:                        RX-USB-2.4A - 12 hours;  
External power:                External waterproof jack for 12VDC input; Supplied with adapter cable to convert to a 5.5mm x 2.1mm DC jack and a vehicle adapter cable;

## Controls/jacks:

External indicators:            Power on LED;  
External jacks:                 Waterproof 12VDC input;  
    Waterproof USB; Supplied with 10 ft USB cable, stores inside case;  
    SMA jack for antenna; Supplied with whip antenna, stores in case;  
Internal controls:               Channel select / power on/off rotary switch;

## RF specifications:

Frequency:                        2.4GHz;  
Range:                              RX-USB-2.4A - 700 feet with supplied whip antenna;  
    Improved range and performance with optional TAK-3 patch antenna;\*  
No. of Channels:                RX-USB-2.4A – 2;

\* Maximum range depends upon many conditions, such as terrain, obstructions, weather and antenna placement. Longest range can be achieved by using a patch antenna, placing it in a high location and positioning it in the direction of the transmitter without any major obstructions between the transmitter/receiver pair

## USB specifications:

USB 2.0 port required on host computer  
Captures at a maximum resolution of 640 x 480 at 30 frames/second

Zistos Video Capture and Streaming Software supplied for installation on the Host Computer. Software features include:

- Display video / freeze video;
- Capture images, time lapse sequence or movies;
- Adjust image – brightness, color, sharpness, gamma, exposure;
- Live zoom;
- Measurement tools;
- Add annotation or time stamp;
- Stream full motion video onto the internet (broadband internet connection required)