

## Geo-Simple

Rugged Video offers a complete geospatial recording system to capture multiple channels of SD and/or HD video with robust GPS data. Based around the **RV-ONE**, units are available in configurable one, two, or three channel systems to record cameras from multi-sensor gimbals or fixed cameras like the HD29. GPS data is synchronized with the video as a companion file for playback in almost any geospatial software solution.

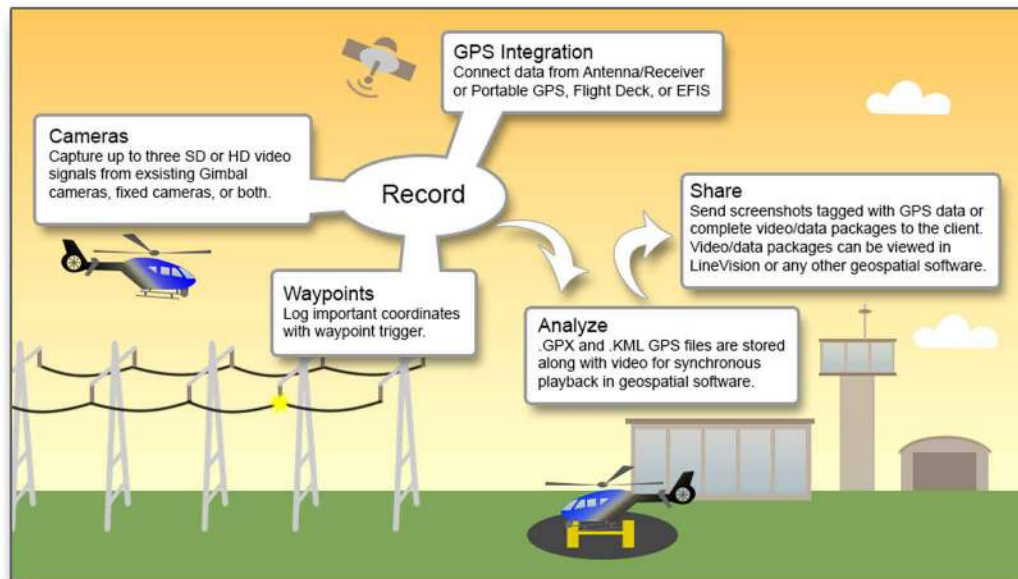
### FEATURES

- Record One, Two, or Three SD or HD Video Channels.
- Use Existing GPS or the Included Antenna/Receiver.
- Multiple Record Triggers and Optional Waypoint Trigger.
- Records Standard .AVI Video Files, .GPX, and .KML Data Files
- Offered with Remote GeoSystems LineVision Software Packages for Synchronous Video/Map Viewing.



RV-ONE HD Recorder with HD29 Micro Box Camera

### WORK FLOW

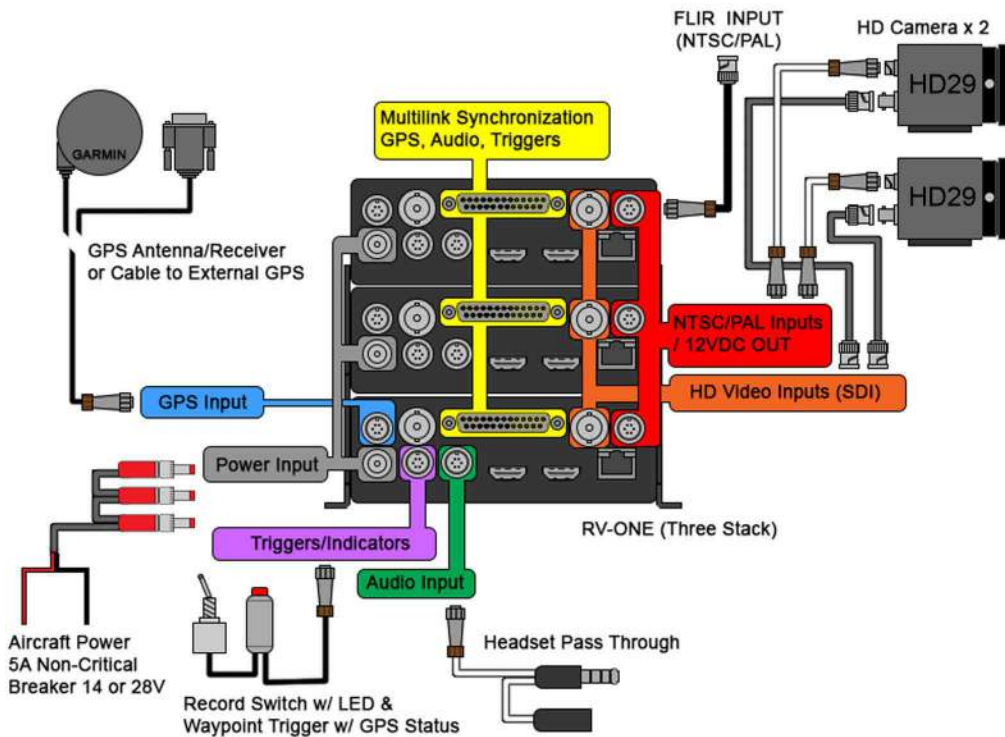


## RUGGED VIDEO

Rugged Video LLC  
10555 N. Port Washington Rd.  
Mequon, WI 53092  
USA

(414) 399-3370  
www.ruggedvid.com

## SYSTEM



RV-ONE  
HD Geospatial Recorder  
(FRONT)



RV-ONE  
HD Geospatial Recorder  
(BACK)



HD29  
High Definition Camera

Recorder	RV-ONE (Three Stack with Multi-Link)
Cameras	Up to 3 x SDI, HDMI/DVI, or NTSC/PAL Inputs (Shown with HD29 Micro Box Camera and FLIR Input)
Audio	Helicopter Headset Adapter Cable (U174) or GA Headset Adapter Cable or Custom Audio Cable
Triggers	Record and Waypoint Trigger Record, Fault, and GPS LED Indicators
Power	External Power Cable Input (10-32VDC Nominal, 6-36V MAX)
GPS	1Hz or 5Hz Garmin 18X Antenna/Receiver or Custom Cable (EFIS, Flight Deck, External GPS)
Multi-Link	Link up to Three Units Synchronize: Triggers, Audio, and GPS

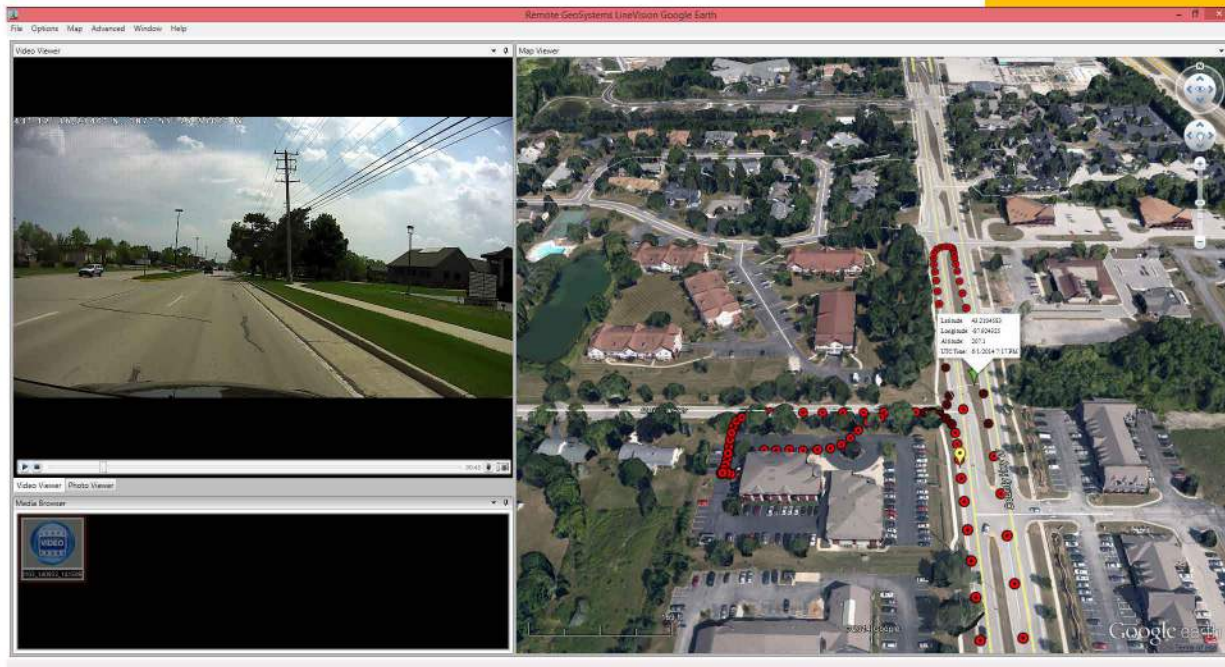
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## SOFTWARE

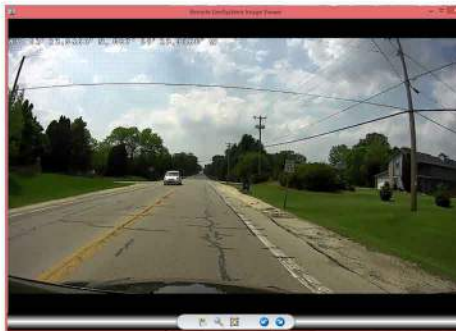
**RV-ONE** recorders are compatible with most geospatial software solutions. For customers looking to upgrade their existing software, or add new software Rugged Video offers Remote GeoSystems LineVision Software.



- Display Multiple Channels of SD and HD Video.
- View 2D or 3D Flight Path with Waypoint Highlights
- Click Points on the Map to Advance the Video.
- Capture Screen Shots for Emailing to Clients.
- Import Still Images and Other Geospatial Data
- Save Multiple Assets as a Video/Data Package for Transfer to Clients.



Waypoint on Path



Snapshot from Video  
(Coordinates Overlaid on Video)

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## COMPONENTS

### RV-RVONE-BASE

Includes:

- 1 - RV-ONE Recorder
- 2 - Top/Bottom L Mounting Brackets
- 1 - Power Cable (Specify Length)
- 1 - Benchtop Power Supply
- 1 - Ethernet Cable 5ft
- 1 - 8GB USB Flash Drive
- 1 - 8GB SDHC Card
- 1 - Operations Manual
- 1 - Installation Manual
- 1 - Technical Documentation
- 1 - 1 Year Warranty (Parts/Labor)

### RV-RVONE-BASETWO

Add:

- 1 - RV-ONE Recorder
- 2 - Stacking Brackets
- 1 - 2x Power Cable (Specify Length)
- 1 - 2x Multi-Link Cable

### RV-RVONE-BASETHREE

Add:

- 2 - RV-ONE Recorder
- 4 - Stacking Brackets
- 1 - 3x Power Cable (Specify Length)
- 1 - 3x Multi-Link Cable

### RV-PLUSPACK-(HD25, HD29)

Includes:

- 1 - HD Micro Box Camera (HD29)
  - 1 - Mount Base (1/4"-20)
  - 1 - 4.0mm CS Mount Lens (100 FOV)
- 1 - Camera Power Cable (Tefzel # = Length)
- 1 - HD Video Cable (RG-179 # = Length)
- 1 - Clamp Mount
- 1 - Mini Pedestal Mount

### Audio Cables

- Helicopter (U174) Headset Pass Through
- Helicopter (U174) Male Plug
- General Aviation (1/4") Headset Pass Through
- General Aviation (1/4") Male Plug
- Auxiliary Audio Input (3.5mm, 1/8") Male
- Auxiliary Audio Input (3.5mm, 1/8") Female
- Amplified Microphone

### Accessories

- Record Toggle Switch with LED (# = Length)
- Waypoint Trigger (# = Length)
- Geospatial Control Box (All Triggers and LEDs)

### GPS

- GPS Upgrade with Garmin 18x 1Hz or 5Hz
- DB9 GPS Input Cable (# = Length)

### Universal Cables

- HRS to 6 x Hookup Leads (# = Length)

### RV-RVONE

- RV-RVMNT-SET
- RV-CABLE-PWR#FT
- RV-PWR-BT12V
- RV-CABLE-ETH5FT
- RV-MEM-8GBUSB
- RV-MEM-8GBSD
- RV-RVSFOUR-OPM
- RV-RVSFOUR-INSTM
- RV-RVSFOUR-TECHM
- RV-RVSFOUR-1WAR

### RV-RVONE

- RV-RVMNT-STCK
- RV-CABLE-2XPWR#FT
- RV-CABLE-2XML

### RV-RVONE

- RV-RVMNT-STCK
- RV-CABLE-3XPWR#FT
- RV-CABLE-3XML

### RV-CAM-HD29

- RV-CAM-HD29MNT
- RV-CAM-LENCS40
- RV-CABLE-TF#FT
- RV-CABLE-HD#FT
- RV-MNT-CLMP
- RV-MNT-PED

### RV-CABLE-PTHELI

- RV-CABLE-MHELI
- RV-CABLE-PTGA
- RV-CABLE-MGA
- RV-CABLE-MAUX
- RV-CABLE-FAUX
- RV-CABLE-AMIC

### RV-SWITCH-#FT

- RV-SWITCH-WP#FT
- RV-SWITCH-GEOBOX

### RV-GPS-UP#HZ

- RV-CABLE-DB9#FT

### RV-CABLE-HUP#FT



RV-ONE  
Geospatial Recorder



HD29  
High Definition Camera



Garmin 18X GPS

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