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

WORK FLOW

GPS Integration
Connect data from Antenna/Receiver or Portable GPS, Flight Deck, or EFIS.

Record
Cameras: Capture up to three SD or HD video signals from existing Gimbal cameras, fixed cameras, or both.

Waypoints
Log important coordinates with waypoint trigger.

Share
Send screens/acts tagged with GPS data or complete video/data packages to the client. Video/data packages can be viewed in LineVision or any other geospatial software.

Analyze
GPS and KML GPS files are stored along with video for synchronous playback in geospatial software.

Rugged Video LLC
10555 N. Port Washington Rd.
Mequon, WI 53092
USA
(414) 399-3370
www.ruggedvid.com
**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
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)
# COMPONENTS

**RV-RVONE-BASE**

- 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
  - General Aviation (1/4”) Male Plug
  - Auxiliary Audio Input (3.5mm, 1/8”) Male
  - 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)

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**GEOSPATIAL**

**RV-ONE**
Geospatial Recorder

**HD29**
High Definition Camera

**Garmin 18X GPS**

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