

RV-ONE

Part Numbers:
 RV-RVONE-BASE
 RV-RVONE-BASE2
 RV-RVONE-BASE3



Exceed Expectations

The Rugged Video **RV-ONE** is a compact rugged high definition video recorder designed for aerospace and military applications. Records video up to 1080p60, GPS data, and audio to SD or USB media.

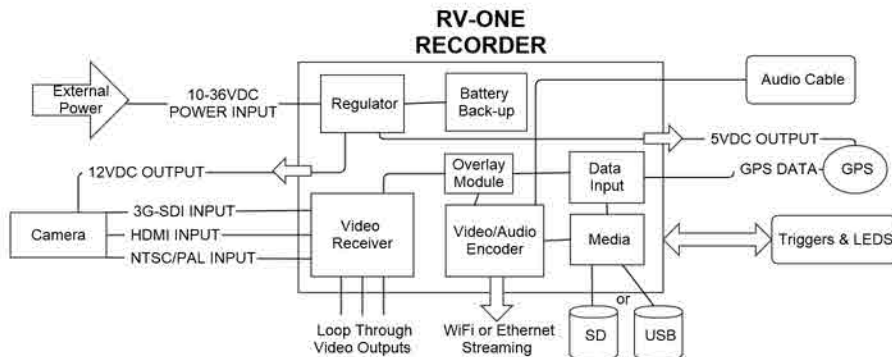
APPLICATIONS

- | | | |
|-----------------|-------------------------------|---------------------|
| Flight Tours | Airborne Law Enforcement | Search and Rescue |
| Geospatial | Mission Recording/Debriefing | Aerial Firefighting |
| Flight Training | Unmanned Vehicle Surveillance | Flight Testing |

FEATURES

- High Definition Recording up to 1080p60
- Stack Units, up to 3 Channels, to Record in Synchronous
- Fault Tolerant Recording with Built-in Backup Battery
- WiFi or Ethernet Streaming to Microwave Link, PC, or Tablet
- GPS Data Recording with Waypoint Triggering

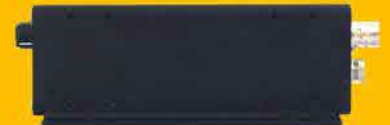
FUNCTIONAL DIAGRAM



FRONT VIEW



BACK VIEW



SIDE VIEW



TOP VIEW

RUGGED
 VIDEO

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

(414) 399-3370
www.ruggedvid.com

RV-ONE

SPECIFICATIONS

Video

SDI	3G-SDI - SMPTE 424M (1080p60) HD-SDI - SMPTE 292M (1080p60i, 1080p30...) SD-SDI - SMPTE 259M (480i, 576i)
HDMI	Version 1.4 (1080p)
Composite	NTSC (720 x 480) PAL (720 x 576)
Resolution	up to 1920 x 1200 at 60fps (Progressive or Interlaced)
Compression	h.264 (AVC) High, Main, and Baseline Profile. MJPEG
Bitrate	200Kb/s-16Mb/s (h.264), 200Kb/s to 55Mbps (MJPEG)
File Type	.AVI

Audio

Inputs	Analog Stereo, Line Level up to 8V P-P (Aircraft Headset) SDI Embedded HDMI Embedded
Compression	ACC at 64kb/s or 128Kb/s (32kHz, 44.1kHz, or 48kHz) G.711 at 64kb/s

Triggers/Indicators

Triggers	Record - Front Panel, Remote via Rear Connector Waypoint - Remote via Rear Connector
LED Indicators	Power - Front Panel Record - Front Panel, Remote via Rear Connector, Multilink Fault - Front Panel, Remote via Rear Connector, Multilink GPS - Front Panel, Multilink Harness

GPS

Input	RS-232 - Baud 2400 - 115200
Sample Rate	1Hz or 5Hz
Sentences	GPRMC, GPGGA, GPGSA, GPVTG
Overlay Data	Coordinates (DMS, DM, D) Speed (KT, MPH, KPH) Altitude Above Mean Sea Level (Meters, Feet) Time/Date
File Type	GPX, KML (Google Earth)

Data

Input	RS-232 - Baud 2400-115200
Sample Rate	20hz
Sentence	\$ASCII,TEXT 1, TEXT 2, TEXT 3<CR><LF>

Media

SD	SD, SDHC, SDXC (Class 6 or better) no max size
USB	USB 2.0 (6MB/s write or better) no max size (compatible with most USB 3.0 drives)

Physical

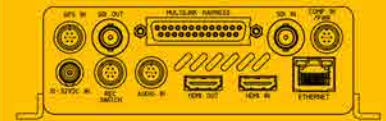
Temperature	-40°C to +85°C (-40°F to 185°F)
Dimensions	4.956" x 1.720" x 4.900" (125.9 x 43.7 x 124.5mm) w x h x d
Weight	22.6oz (640g)

Power

Input Range	10-32VDC Nominal, 6VDC Minimum, 40VDC Maximum
Current Draw	3.9W (325ma at 12VDC)



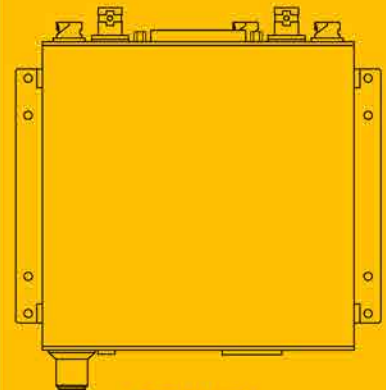
FRONT VIEW



REAR VIEW



SIDE VIEW



TOP VIEW

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