



**RocketCam™**

**AVS** | Analog  
Video  
System

**RocketCam™ provides cost-effective situational awareness, from just about anywhere.**

If you're in need of improved situational awareness from a complex system operating in an extreme environment, consider Ecliptic's RocketCam Analog Video System (AVS).

Whether the system is in space or other demanding air, land or marine environments, the standard RocketCam AVS will return one or more live video streams to project stakeholders. An AVS option allows for onboard recording of the same content as a backup to the live feed.

RocketCam AVS provides engineering-and PR-quality situational awareness within a small, rugged, cost-effective package, avoiding the need for high-end and expensive science-quality imaging systems.

RocketCam is the world's leading brand of such onboard imaging systems — the same trusted technology employed successfully on dozens of projects since 1997.

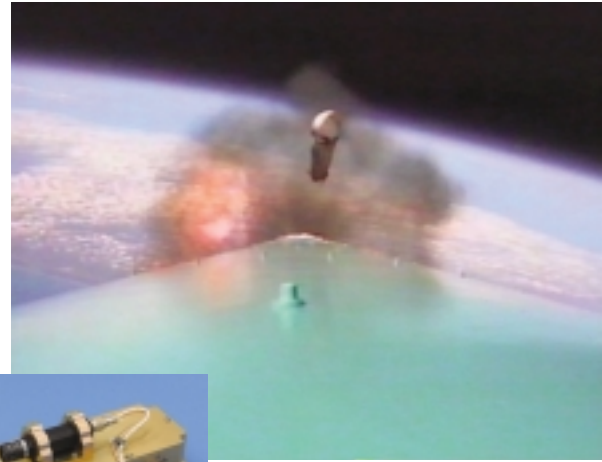
**RocketCam.™ Get the Picture.**



## Overview

Ecliptic's RocketCam AVS provides live onboard video telemetry from a host platform operating remotely in a demanding environment.

Typical implementations involve routing the output of a single onboard camera into a dedicated radio transmitter, whose output is in turn sent to an RF antenna for live, line-of-sight downlink to one or more designated receiving assets. Once received, the content can be distributed to system control centers, technical and management audiences, media outlets and the public.



AVS components are often powered by a dedicated battery pack. Optional features include routing a pair of camera inputs into a single transmitter, outputting the transmitter signal to a pair of RF antennas, onboard recording of camera outputs, and alternative powering and activation provisions.

When circumstances permit, selected AVS components can be grouped into an Integrated Video Assembly (IVA) to further simplify AVS interfaces with the host platform.

### Key RocketCam AVS features

- Full system solution
- Few elements
- Visible and IR camera options
- Analog signal chain
- Real-time functionality
- Simple activation
- Other optional features

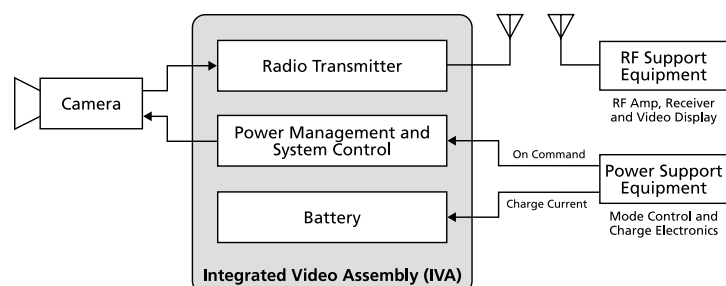
### Typical applications

- Viewing mechanical deployments and actuations
- Viewing staging and propulsion events
- Viewing payload separation and operations events
- Supporting other engineering objectives
- Characterizing operational environments
- Supporting public relations and media goals
- Supporting business development, marketing and sales efforts
- Supporting anomaly investigations and failure reviews

For advanced features not offered by AVS such as compressed digital video, multiple camera inputs (up to 8) and improved operational flexibility and RF bandwidth utilization, Ecliptic's RocketCam Digital Video System (DVS) may be more appropriate.

For ongoing information and breaking news about Ecliptic and RocketCam, please go to [www.eclipticenterprises.com](http://www.eclipticenterprises.com).

### Typical RocketCam AVS Elements



## **Not just another typical aerospace company**

Ecliptic designs, builds, tests and launches hardware. We're often involved with headline-making projects. We understand systems and systems architecting — especially spacecraft and rocket avionics, instruments, ground systems and aerospace telecommunications. Our staff's combined experience includes more than 50 real space missions and aerospace projects, often in award-winning leadership roles. From Big Picture to details, we know our business.

Ecliptic serves three related and growing markets:

- “Classic” aerospace, civil, scientific and R&D projects
- “Small, micro and nano” space efforts demanding affordable and responsive systems
- “Entrepreneurial” aerospace enterprises demanding unique space-themed imagery addressing space adventure/tourism, media, edutainment and advertising objectives

## **Customers**

Our business base includes prominent firms and organizations such as Boeing, Lockheed Martin, JPL, APL, DARPA, Orbital, NASA, ATK/Thiokol, Spectrum Astro, QUALCOMM, The Aerospace Corporation and others. We're also a provider to leading entrepreneurial, unconventional, private and non-profit entities such as Scaled Composites, The Planetary Society, XCOR Aerospace, Zero-G Corporation, SpaceDev, idealab!, the Musk Foundation, and The American Film Institute.

## **Our place in space**

Whether on government-led or commercially sponsored projects, future Ecliptic systems — more than just imaging systems — will enable improved access to near-Earth space and dramatic views from nearby solar system destinations such as the Moon and Mars.

***As business expands outward from Earth, Ecliptic will be there.***

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