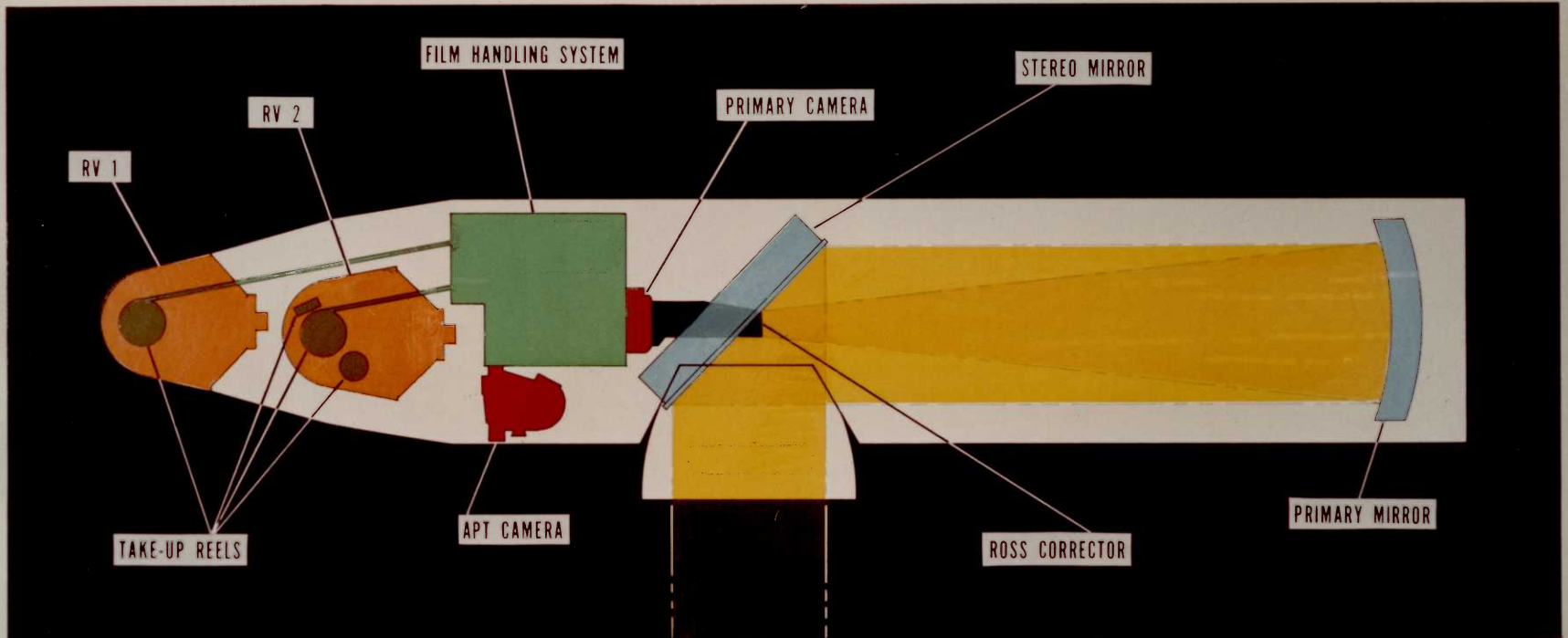


# PHOTOGRAPHIC PAYLOAD SECTION



~~SECRET/G~~

Handle Via BYEMAN  
Control System Only

## PHOTOGRAPHIC PAYLOAD SECTION

The Photographic Payload Section (PPS) contains three modular sections. From the forward end these are: the Dual Recovery Module (DRM), the Supply Electronics Module (SEM), and the Camera Optics Module (COM). These sections are mated and tested as a single unit at EKC, Rochester, New York. The PPS is then shipped directly to the launch pad where it is mated with the Satellite Control Section (SCS).

Dual Recovery Module. The DRM consists of two satellite recovery vehicles (SRV), an ejectable adapter, a fixed adapter, film chutes, cables, instrumentation, pyrotechnics, harnesses, and film cutting and sealing devices. SRV No. 1 contains a take-up mechanism for the primary film only, while SRV No. 2 contains take-up mechanisms for both primary and astro-position terrain camera film.

Supply Electronics Module. The SEM provides the primary film supply and film transport into and out of the primary camera. It also houses the cut and splice mechanism, secondary film cutter, camera electronics, focus electronics, power and distribution electronics, viewport door electronics, telemetry and instrumentation, astro-position terrain camera, and thermal control components. The forward end mates to the DRM and the aft end is mounted to the COM.

Camera Optics Module. The COM consists of an external cylindrical structure of magnesium-thorium alloy to which the internal camera optics assembly is attached. This assembly includes lens (aspheric mirror and Ross corrector), stereo mirror, and a strip camera. The system is designed to provide monoscopic strip, stereo strip, lateral pair, and lateral triplet photography.

~~SECRET/G~~

Handle Via BYEMAN  
Control System Only