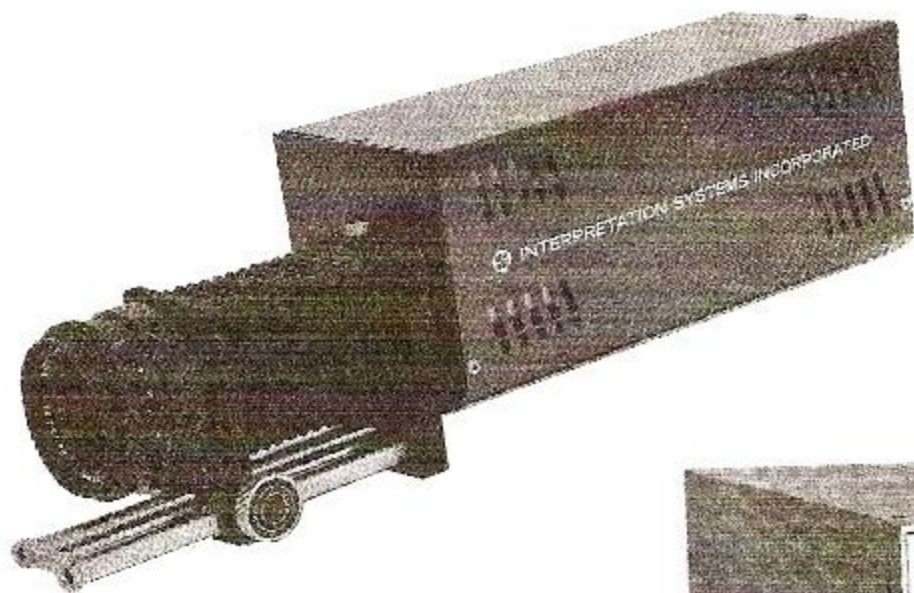


# CVC-1

IMAGE ANALYSIS CAMERA

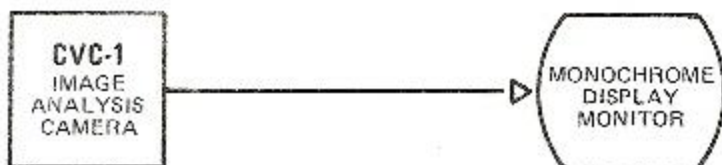


The CVC-1 Image Analysis Camera is a rugged two-piece vidicon camera designed for those applications requiring extremely uniform shading and high signal-to-noise characteristics. Applications include remote sensing data reduction, radiograph analysis, reconnaissance, weather satellite image studies, special applications, and laser beam profile analysis. These applications have typically depended upon slow scan, optical techniques for image analysis. However, the improved shading correction circuitry and state-of-the-art signal-to-noise performance of the CVC-1 have allowed these and other difficult problems to be solved using video equipment.

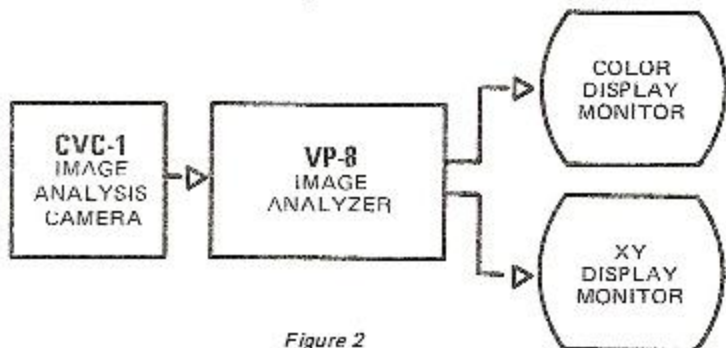
When included in U.S. systems, the CVC-1 operates at a 525 line per frame, 30 frame per second format. For European and selected other systems, the camera scans at 625 lines per frame, 25 frames per second. In all cases the output is interlaced 2:1. The camera is designed to accept ISI's Model BL-35 Bellows/Lens Assembly which provides a wide range of magnification (1:50) and no optically degrading effects. Other 35mm mount lenses with Pentax thread can be used, if required.

The CVC-1 Image Analysis Camera can be used in a simple closed circuit display system, as shown in *Figure 1* or it can be

used in conjunction with one or more of ISI's image enhancement modules, such as the VP-8 Image Analyzer or the AP-3 Analog Encoder to form a complete image analysis system as shown in *Figure 2*.



*Figure 1*



*Figure 2*



**INTERPRETATION SYSTEMS INCORPORATED**

P. O. BOX 1007 • LAWRENCE, KANSAS 66044 • PHONE 913/842 5678