

PHOTOGRAMMETRIC ENGINEERING and REMOTE SENSING

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COVER PHOTO — Laser beam traces optical path through the eight-element lens of the Itek KA-80A optical bar panoramic camera. Lens is folded by means of two mirrors to provide a long focal length in a compact package to meet high altitude aircraft space constraints. Cylindrical film path of the camera locates at the focus of the rotating lens, close to the final optical element—a field flattener—at the upper right of the photo. The cameras are currently being used in very high resolution, wide area surveys of forest resources in cooperative programs between the U.S. Forest Service and the National Aeronautics and Space Administration. This same camera configuration was space-hardened for geologic surveys and mapping of the moon during the last three Apollo missions. (Photo by Colin Palmer of Itek Optical Systems, Lexington, Massachusetts.) (See pages 719-769.)

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