

Fairey Additive Viewer



The Fairey colour additive viewer is a four channel fixed magnification instrument for the visual analysis of 70 mm multi-band imagery. It is particularly suitable for analysing and comparing data arrays from ERTS and SKYLAB, and it has many applications for ground truth measurements from airborne multi-camera systems.

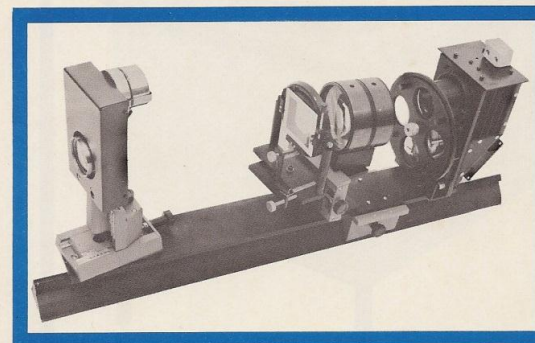
The instrument is provided with a horizontal viewing screen built into the table top, which permits map overlays to be placed over the projected image.

Each channel has X, Y and rotation registration controls which are readily accessible beneath the hinged top cover, allowing the operator to view the screen while setting up.

Remotely operated four position filter selection, and illumination level controls, are recessed into the table top, adjacent to the screen, enabling the operator to produce true and false colour enhancement, and illumination balance without moving from his normal viewing position.



Interior
of
Viewer



Projection
Unit

Technical Details

Film Capacity : Four 70 mm cut film positive transparencies in re-usable film holders.
Magnification : Fixed at four times.
Illumination : Four 250 watts quartz iodine lamps.
Lenses : Four F5.6 Schneider Comparan 216 mm focal length.
Filters : Rotating disc carrying up to four glass filters on each channel.

Image Registration : X, Y and rotation registration controls on each transparency.
External Controls : Two position lamp brightness switch.
 Push button control of iris diaphragm for illumination level.
 Push button control of filter selection.
Overall Dimensions : 36" W x 48" L x 30" H
Weight : Approximately 180 lbs.

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