

# IMAGE TUBE

TYPE 7177

**A PRODUCT OF ITT LABORATORIES**

Nutley, N. J. • Fort Wayne, Ind. • Chicago, Ill. • San Fernando and Palo Alto, Calif.



The 7177 Image Tube is a fixed-focus-type tube with an S-1 spectral response and a P-20 phosphor screen.

The 7177 Image Tube has a cathode sensitivity covering the visible and near-infrared portion of the spectrum. It can be used in any application where it is necessary or desirable to "see in the dark". Because of its small size and voltage requirements it can be incorporated into a portable unit. Its many uses include the inspection of photographic film which is not sensitive to infrared light, criminal investigation, and various military operations. It may also be used as a light shutter

for high speed photography. The image tube is used with an objective lens and a magnifying eyepiece. An inverted image on the cathode is reinverted by the electron optics of the tube so that the image, as it appears on a screen or seen through an eyepiece, is correct. For the majority of viewing applications a filtered tungsten lamp is used for irradiating the subject. This tube is of the unipotential or fixed-focus type, consequently no focusing voltage is required.

For further information and detailed technical specifications write to the Director, Components and Instrumentation Laboratory, ITT Laboratories, 3700 E. Pontiac St., Fort Wayne, Indiana.