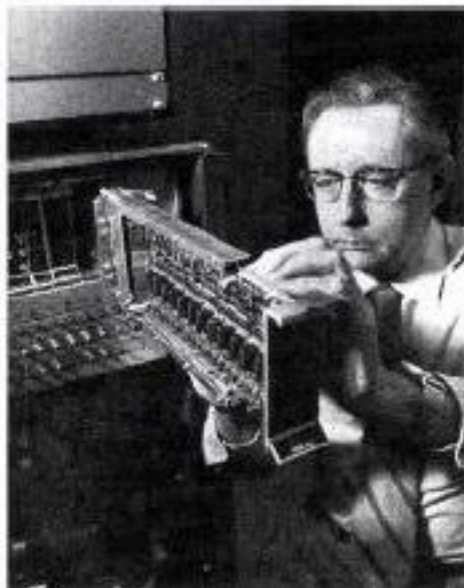




Inside the TK-29C, with the door removed.

Three different models are offered in the TK-29 Series of photo-conductive telecine cameras:

TK-29 Standard Broadcast. Intended to upgrade the performance of any multiplex telecine chain, this model is an excellent replacement for TK-27 and TK-28 telecine cameras.



Color Correction module for the TK-29C.

TK-29B High Performance Broadcast. Designed for broadcast and teleproduction systems where superb picture quality and unattended operation are important.

TK-29C Teleproduction Telecine. Special features and built-in D. C. interface make this model the ideal choice for a correction suite and for film-to-tape transfer work where programmable color correction is required.

All TK-29 Series cameras feature a new preamplifier design with excellent signal-to-noise performance, achieved by coupling the input semi-conductor device directly to the pickup tube target.

New design computer-matched deflection yokes provide for excellent and repeatable registration and for improved focus. Pickup tube options include: 25mm vidicon or Saticon tubes, or 30mm lead-oxide tubes with integral bias light (TK-29B and C).

Operation with narrow horizontal blanking also is included to accommodate teleproduction requirements.

Aperture Correction and Contour Enhancement

The TK-29 Series cameras also feature high performance aperture correction and contour enhancement circuitry to bring fine details in the picture, and fully automatic color correction to handle film color balance and exposure problems. Aperture correction is separately adjustable for H and V. Contour correction is applied by linear addition to the luminance signal which maintains picture



New Precision yoke assembly for TK-29 Cameras.

sharpness over the full film gradation range, including the darker picture areas.

Negative Film Processing

Advanced negative film processing electronics enable the camera to handle many types of negative film stock. The TK-29 reproduces negative film images of wide density range without sacrificing picture quality.

Teleproduction Model, TK-29C

The top-of-the-line TK-29C Teleproduction Telecine includes a built-in D. C. interface which allows control of 29 variable parameters that affect and correct film exposure, density, contrast, colorimetry and color saturation. The full operational range of any control can be accommodated by a D. C. voltage swing of +10 volts. In addition, operational switched controls that are normally preset can be removed. The switch controls are also D. C. voltage operated and control is available at a connector on the TK-29C. The D. C. interface is designed to work with commercially available or custom-designed computer-controlled programmable color correction systems.

The TK-29C is a perfect match to RCA FR-16 and FR-35B teleproduction variable speed projectors, and separate magnetic sound equipment.

Multiplex Compatibility

All TK-29 Series Telecine Cameras are available in NTSC, PAL-M and PAL-B standards. The new cameras are mechanically interchangeable with TK-27 and TK-28 cameras and can directly replace these in existing telecine systems.