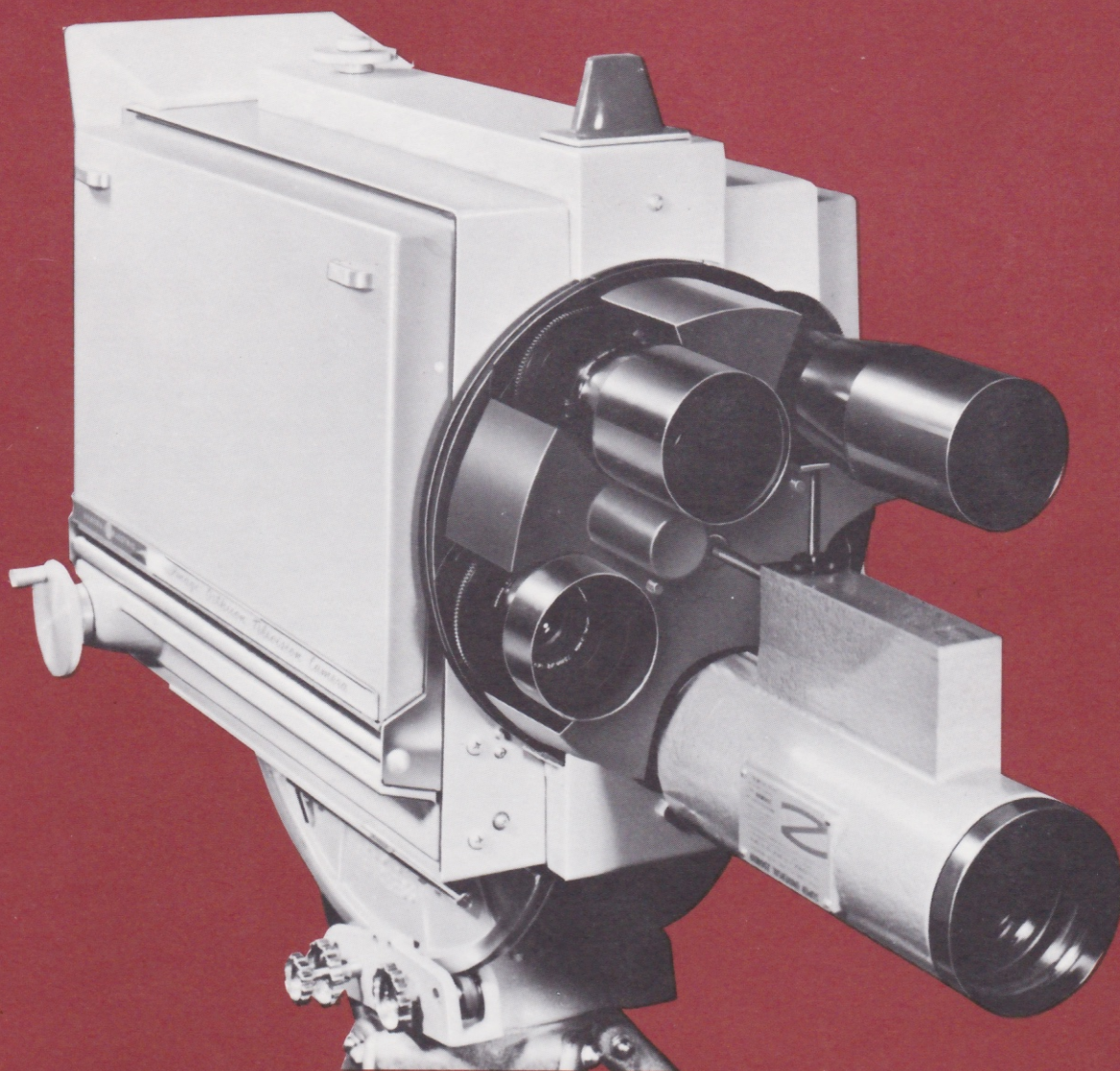
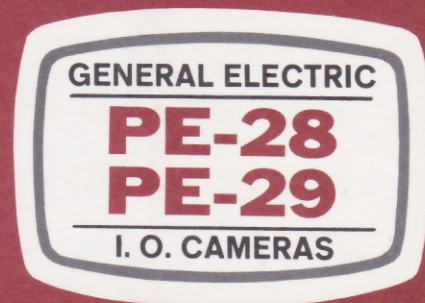




**Television's Newest, Most Extensively Transistorized
Studio I. O. System**

GENERAL  ELECTRIC

- **Day-To-Day Stability**
- **Noticeably Better Picture Quality**

The PE-20 Series — A Heritage of Proven Performance

The extensively transistorized design of General Electric's new I.O. Camera Systems upgrades the outstanding picture quality and reliability of their notable predecessors, the PE-20-A and PE-20-B. One man at the camera sets up the equipment. Vernier controls at the remote panel (not requiring additional set-up) allow touch up adjustments during programming.

The PE-28, with a three-inch I.O. Camera, and the PE-29, with a 4½-inch I.O. Camera, operate in any overall system which supplies EIA pulses. Their basic versatility and performance features have been studio-proven in the PE-20-A and PE-20-B camera series in commercial, educational, and military television systems around the world.

In performance, the PE-28 and the PE-29 meet or exceed EIA standards.

In over-all stability, the systems have virtually no day-to-day drift.

In operating simplicity, the systems can be set up and adjusted quickly with easily accessible controls.

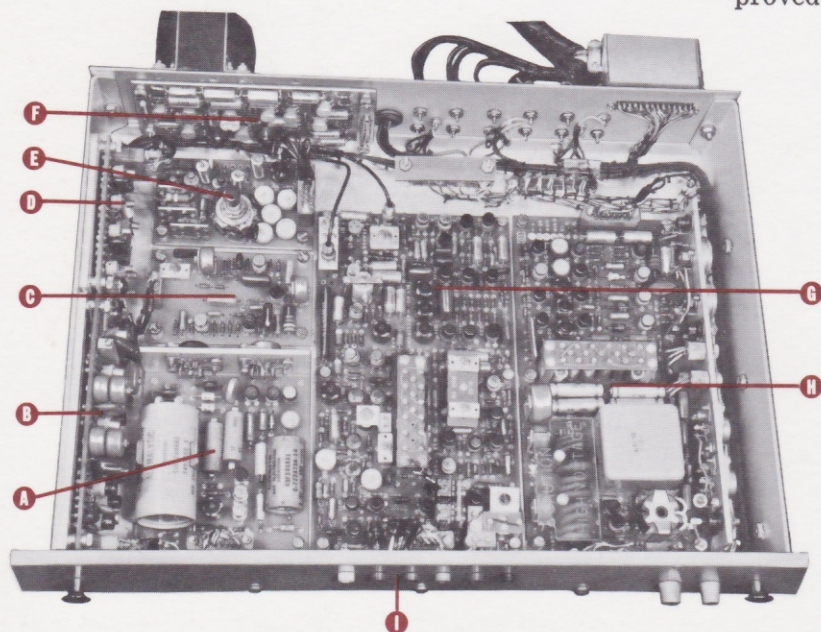
In reliability, the systems offer conservative design and new, completely-transistorized video processors.

PERFORMANCE

Accurate camera framing and focusing achieved by an 8" viewfinder which provides sharp, bright pictures.

Monitoring of all important camera voltages, including H and V sweep, provided by a self-contained switchable meter.

Lifelike, photographic quality picture from improved transfer characteristic.



- A.** Regulator
- B.** Drive converter
- C.** H drive generator
- D.** Video reversal and shading adder
- E.** Cable compensator
(standard module in TV-111-B)
- F.** Sync adding distribution amplifier
- G.** Video processor
- H.** Power supply
- I.** Test point jacks

The new transistorized Video Processing Assembly, TV-111-B provides: Two video outputs either composite or non-composite (up to four with optional sync adder module); gamma correction; aperture correction (delay line type, continuously adjustable); blanking; cable compensation.



Rear view of I.O. camera. Shown are 8" viewfinder, center shaft zoom lens control, viewfinder controls, lens position indicator, lens selector handle, focusing knob.

Prolonged pickup tube life assured by a built-in I.O. guard.

Improved communications between director and cameraman achieved by an amplified intercom.

ECONOMY

Operational savings effected by extensive transistorization of circuits, which user reports show to be more reliable than comparable tube circuits.

Life of components extended by cooler operation of transistorized circuits.

Saving in rack space achieved by complete transistorization of video processor (TV-111-B).

STABILITY

Extensive transistorization and regulated voltages contribute to maximum stability.

Dimensionally stable, moisture proof fiberglass boards used to mount all components.

RELIABILITY

All components conservatively rated.

Completely transistorized processor improves system reliability.

Tube life extended by built-in I.O. Guard.

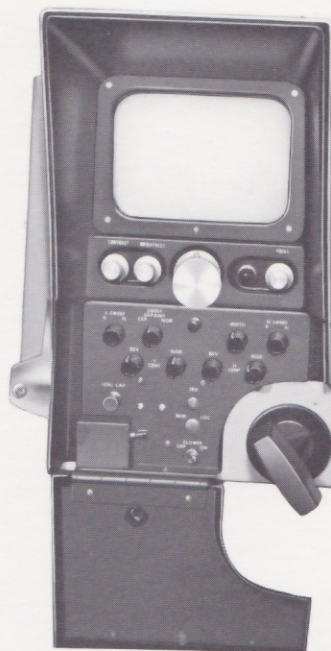
Inherent Long Life of transistors contributes to over-all reliability.

OPERATION

Electronic lens cap operable both from the camera and the control panel.

Day-to-day adjustments minimized by inherent stability of the system.

Turret accommodates five lenses. Turret shaft hollow for center-shaft zoom lens control.



Rear view of I.O. camera with door open. Set-up and adjustments are simplified. All major controls are in full view and easily accessible.

Camera set-up and adjustments simplified as all major controls are in full view and easily accessible, at the camera and the console.

Neutral density filter easily selected from rear of camera.

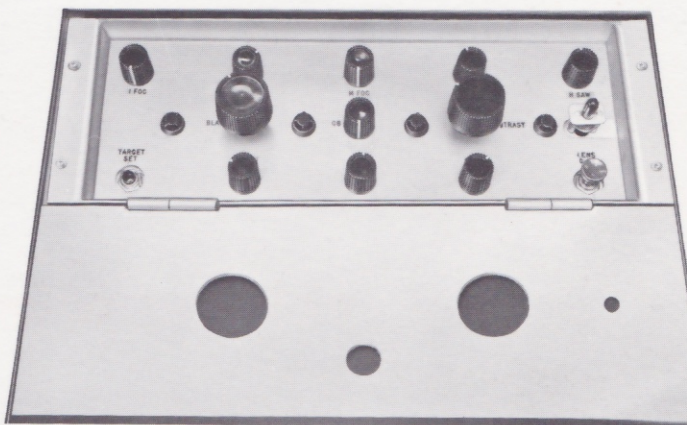
EASY MAINTENANCE

Fast set-up provided by self-contained switchable meter for monitoring all important voltages.

Easier accessibility, easier maintenance provided by plug-in circuits on swing-out chassis.

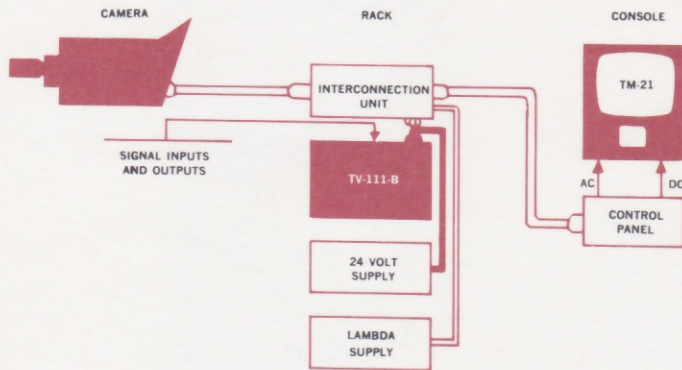
Camera handling simplified by retractable handles when moving from one mount to another.

Easy access to all components and in-place servicing of the video processor provided by pull-out drawer.

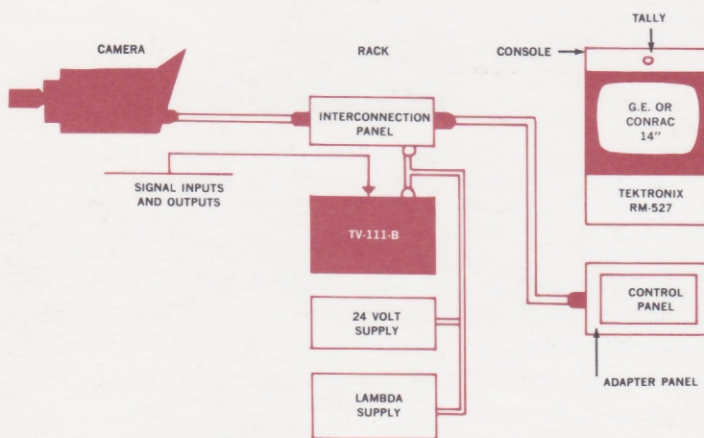


Camera remote control panel contains: beam, target, beam focus, multi focus, decelerator, I focus, G 6, V saw, H saw, target set switch, lens cap, blanking, and contrast. Panel for 4½" I.O. also contains an iris control.

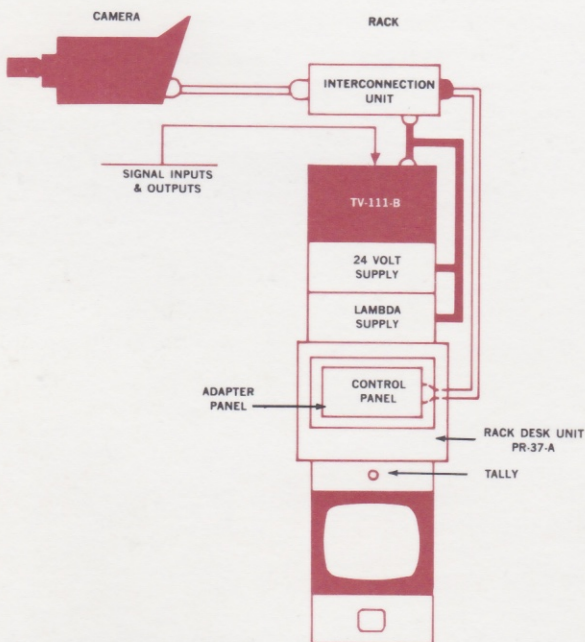
SYSTEM MAKEUP



PE-28-A/PE-29-A (console mount)



PE-28-B/PE-29-B (console mount)
(Monitoring optional)



PE-28-C/PE-29-C (rack mount)
(Monitoring optional)

Here Are Some Of The Users Of General Electric PE-20 Series Image Orthicon Television Studio Cameras

KRLD-TV, Dallas, Texas
KIFI-TV, Idaho Falls, Idaho
KTVI, St. Louis, Missouri
WSIX-TV, Nashville, Tennessee
WCCA-TV, Columbia, So. Carolina
KATC, Lafayette, Louisiana
WDSU-TV, New Orleans, Louisiana
WCIV, Charleston, So. Carolina
WCTV, Tallahassee, Florida
WEDH, Hartford, Connecticut
WSM-TV, Nashville, Tennessee
KLBL-TV, Lubbock, Texas
KBYU-TV, Provo, Utah
WTEV, New Bedford, Massachusetts
WZZM-TV, Grand Rapids, Michigan
WVUE, New Orleans, Louisiana
WVEC-TV, Hampton, Virginia
WSYR-TV, Syracuse, New York
WAPI-TV, Birmingham, Alabama
WHYY-TV, Philadelphia, Pennsylvania
KPRC-TV, Houston, Texas
WDCN-TV, Nashville, Tennessee
KCND-TV, Grand Forks, North Dakota
WHRO-TV, Hampton, Virginia
CBS International, Lima, Peru
WNTV, Greenville, So. Carolina

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Visual Communication Products

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