



A completely solid state television camera for closed circuit and educational television using the separate mesh type of Vidicon pick-up tube. The camera is self-contained and has no operating controls apart from optical focus and on/off switch. Automatic sensitivity control maintains a sensibly constant output over a wide range of light levels. Two versions of the camera give either random interlace with external locking facility (101) or a built in 2:1 mains locked pulse generator (106).

- ★ Low noise F.E.T. head amplifier enables the vidicon to operate at a lower signal current than usual for longer tube life and greater sensitivity.
- ★ Fully regulated power supplies: No external controls for beam and focus.
- ★ Black level clamp with pre-set lift control.
- ★ High focus field and high voltage (600) on the vidicon give good shading characteristics and resolution maintained well into the corners.
- ★ Auto-sensitivity control over a wide range of light levels—typically 2000 : 1.
- ★ Carriage focus for extra close work and zoom lens infinity adjustment.
- ★ Cast alloy frame and no external controls—rugged and easy to use.

LINK
ELECTRONICS

LINK ELECTRONICS LTD.
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Telephone: Andover (0264) 61345
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Cables: LINKELEC ANDOVERHANTS

Sensitivity	: For tungsten light. Faceplate illumination for full output. Vidicon - 3 lux with 50% dark current. 20 lux with 5% dark current. Chalnicon - 0.5 lux.
Geometry and Linearity	: Better than 1% within a circle whose diameter is equal to picture height, better than 2.5% over the remainder.
Gamma Correction	: Internally adjustable between unity and 0.3.
Aperture Correction	: Level dependent, phase equalised, noise cored correction, maximum 30dB at 5MHz.
Line Standard	: 625 or 525 lines fully interlaced broadcast standard, type 109A - mains lock (crystal lock option to order), type 109B - externally driven.
Mixed Sync	: Input to 109B between 0.7 and 8V peak to peak into 75 Ohms.
Mixed Blanking	: Input to 109B between 0.7 and 8V peak to peak into 75 Ohms.
White Clipper	: Pre-set to clip at 105% nominal.
Picture Inversion	: Switchable.
Auto Sensitivity	: Large area peak detector, auto target for Vidicon Tubes; or iris motor drive for other tubes.
Remote Controls	: When connected, override auto circuits to give remote control. 109A lift, target supply, and +ve/-ve picture switching, beam current, beam focus, and video level. 109B lift, target and +ve/-ve picture.
Lenses	: C mount. Internal pre-set infinity focus adjustment set for 17.5mm adjustable ± 3 mm.
Connectors	: Co-axial - BNC, AC power - Bulgin 3 pin, Remote Control - 9 pin lens, 7 pin DIN. Mating connectors except BNC supplied.
Mounting	: Two 0.375" threads provided for use with different weight lenses, or to provide two position fixing.
Weight	: 2.8Kg (less lens).
Dimensions	: Height - 132mm, Width - 150mm, Length - 285mm.
Scan Reverse	: Internal jumpers provided to reverse field or line scan (109A only).

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