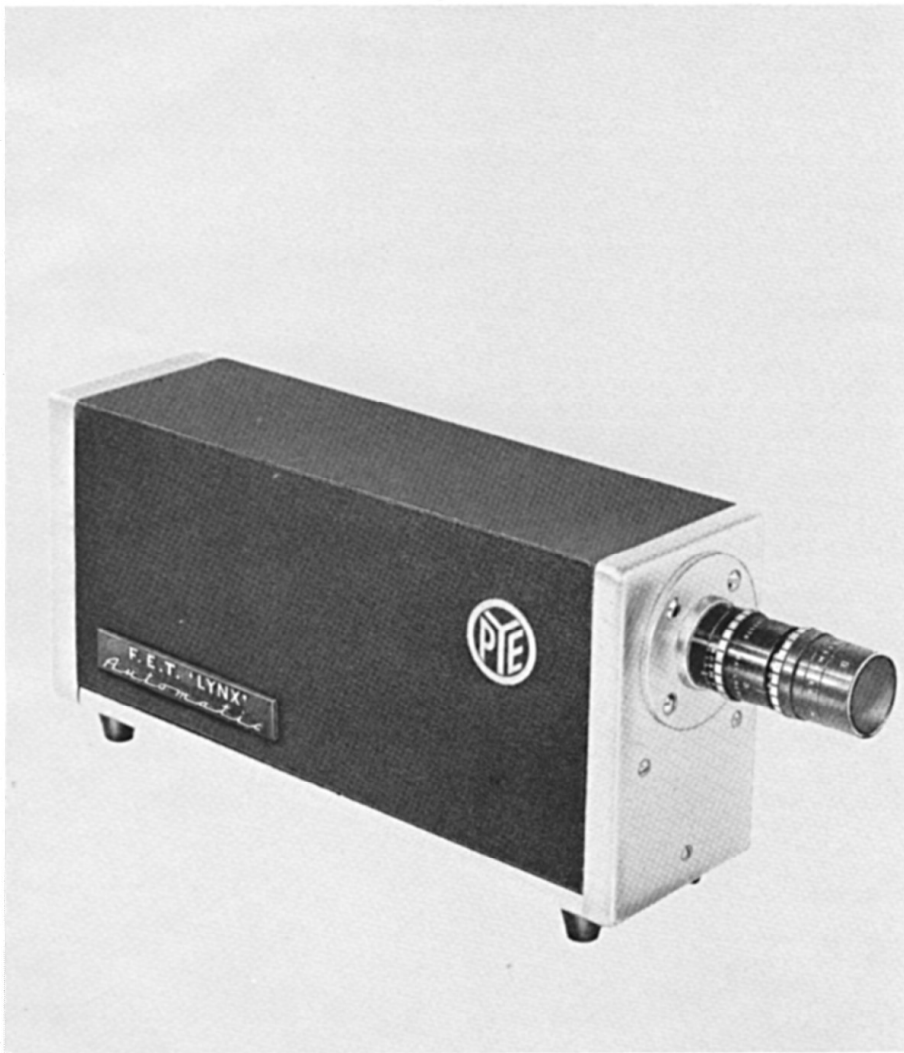




F.E.T. 'Lynx' Automatic Camera



- Low noise F.E.T. video input circuit
- Solid state, printed circuitry
- Compact, lightweight and portable
- High quality pictures at low cost
- Automatic sensitivity control
- Wide range of accessories available
- Unattended operation for long periods
- Built-in systems capability

The F.E.T. 'Lynx' is an all-transistor television camera developed from the well-known transistor 'Lynx'. The new camera employs a circuit design which incorporates a low noise, high sensitivity, field effect transistor to ensure that acceptable picture quality is achieved, even under very low light level conditions.

The 'Lynx' is very simple to operate. An automatic sensitivity control circuit maintains full picture quality with wide variations of

scene brightness. Automatic or manual control of sensitivity can be selected by the operator.

The camera operates on both 625-line and 525-line systems with random interlacing and can be adapted to operate on the 405-line system. It provides a 1.4 volt peak-to-peak composite video signal suitable for use with standard video monitors.

A variety of lenses from wide angle to

telephoto or zoom can be fitted in the standard 'C' type mounting.

The 'Lynx' can be used simply with a monitor or can be the basic unit in a wide variety of applications. It is designed for use as a 'system' camera with remote control capability, and can be fitted with protective housings for special applications. Details of ancillary equipment will be supplied on request.

ABRIDGED SPECIFICATION

Scanning Standard :

625 lines, 50 fields/second or 525 lines, 60 fields/second using random interlacing. Adaptable to 405 lines, 50 fields/second. Field frequency to be synchronous with power supply

Aspect Ratio : 4 : 3

Pick-Up Tube :

Fitted with 9677P vidicon, but can be supplied with any 1 inch vidicon at extra cost

Spectral Response :

Similar to panchromatic film. Suitable for operation in daylight or artificial light

Picture Resolution :

Horizontal resolution of the order of 500 lines

Picture Geometry :

No part of the edge of the picture will depart by more than $\pm 2\%$ from a rectangle averaged over the picture

Scanning Linearity :

Less than 2% departure from the ideal

Light Sensitivity :

Normal quality pictures at 8 ft Lamberts
High definition pictures at 30 ft Lamberts
Useable pictures obtained at levels as low as 1 ft Lamberts with $f0.98$ lens aperture

Operating Temperature :

Camera can operate up to an ambient temperature of 105°F (40°C) without degrading performance

Video Output :

1.4 volts p-p composite video signal (peak white positive) on a matched 75 ohms line

Range of Automatic Sensitivity :

Up to 1,000 : 1 change in light level

Connectors :

Video :
Belling & Lee Type L603/A
Remote Control :
Electro Methods Type M7S-SS-N

Power Supply :

100-140 and 200-250 volts a.c. at 50 or 60 Hz depending on scanning standard

Power Consumption :

13 watts approximately

Lens :

Any standard 'C' mount lens can be used. (see separate sheets on Lenses and Attachments)

Camera Mounting :

Standard ($\frac{1}{4}$ in Whitworth) fixing holes are provided in the base for mounting purposes (see separate sheet on Mountings)

Part Number :

Includes pick-up tube, 848286/00

Optional Extras :

Remote control units, extra lenses, tripods, pan and tilt heads, dust-proof, weather-proof, flameproof and pressurised housings, etc

Dimensions :

8.9 cm wide x 15.6 cm high x 31.5 cm long (excl. lens) ($3\frac{1}{2}$ in x $6\frac{1}{8}$ in x $12\frac{3}{8}$ in)

Weight : 9 lb (4 kg)

Packing Details :

Overall Carton Size :
49.3 x 31.7 x 21 cm ($19\frac{3}{8}$ in x $12\frac{1}{2}$ in x $8\frac{1}{4}$ in)
Gross Weight : 6 kg ($13\frac{1}{2}$ lb)

Specification details subject to change without notice



PYE TVT LIMITED

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