



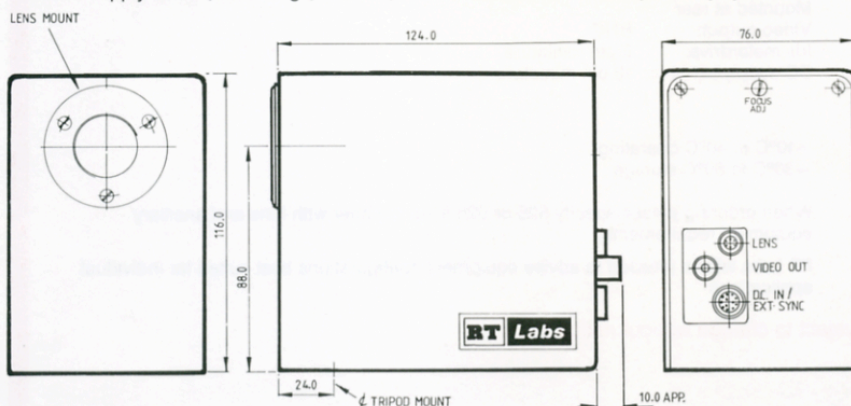
Lynx Low light Intensified CCD CCTV Camera

Models: Lynx 525 and Lynx 625

- Compact intensified CCD
- Starlight sensitivity
- Rugged construction
- Wide range of lenses, C mount
- Back focus adjustment
- 525 or 625 line operation
- High resolution
- Continuous daylight operation
- Long life
- Low power, 12V supply
- Shock and vibration resistant
- Resistant to magnetic fields
- Iris/ND filter motor drive
- Virtually no lag or burn-in

RT Lab's Lynx CCTV is the first of a new range of low-light CCD cameras using second generation intensifiers. Compact and rugged, this camera is ideal for continuous surveillance use and operates automatically from starlight to full sunlight conditions. The remarkable low power consumption means that the Lynx can be operated from a small 12V battery. Available in 525 or 625 line format, the Lynx can be fitted with a wide variety of lenses and housings.

RT Labs supply lenses, mountings, controls, monitors and cables to complete any system.



RT Laboratories Limited, Keward Mill, Keward, Wells, Somerset, BA5 1SS, England.
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Performance

Sensitivity	Scene illumination of 3×10^{-4} lux gives good pictures with F1.8 lens
Resolution	280 lines horizontal, 350 lines vertical NTSC 310 lines horizontal, 420 lines vertical CCIR
Power	12V nominal, 350 mA
Spectral response	λ peak=600 nm; λ 50%=430–780 nm; λ 10%=380–875 nm

Lens interface

Lens	Wide range available with auto iris
Mount	Standard C mount
Auto iris	Provision for iris/ND filter motor drive (± 12 V nominal, 500 mA)
Format	1 inch format
Back focus	Back focus adjustment for optimum setting of zoom lenses

Intensifier

Type	Second generation, micro channel plate
Image size	1 inch format (12.8 mm \times 9.6 mm)
Photocathode	S25
Protection	Bright source and flash protection

Imager

Type	CCD. Interline and field transfer
Pixels	384 (horiz) \times 491 (vert) 525 lines, 60 fields/sec 449 (horiz) \times 579 (vert) 625 lines, 50 fields/sec

Scanning

525 lines	60 fields/sec 2:1 interface 30 frames/sec
625 lines	50 fields/sec 2:1 interface 25 frames/sec
Sync	External sync facility available as an option

Video

Output	1V p.p., 0.3V sync, into 75 ohms
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Power requirements

Voltage	10.5V to 15V
Current	350 mA

Mechanical

Dimensions	116 mm high \times 124 mm long \times 76 mm wide (see outline)
Weight	1.9 Kg
Construction	Hard anodised machined aluminium housing. Rugged construction
Tripod bush	1/4 inch whitworth
Connectors	Mounted at rear Video output: BNC Iris motordrive: 6 pin miniature DC supply/ext sync: 12 pin miniature

Environment

Temperature	–10°C to 40°C operating –30°C to 60°C storage
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Ordering

When ordering please specify 525 or 625 lines together with lens and ancillary equipment requirements.

RT Labs will be pleased to advise equipment configurations best suited for individual applications

Specification is subject to change without notice.



Labs

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