



▲ Left: C2741-32A, Right: C2741-35A

The C2741-32A, -35A cameras are designed specifically for imaging at ultra-low light levels. Each camera consists of an image intensifier including a 1 stage MCP and CCD camera coupled with a relay lens.

Single photon counting is possible due to superior performance as compared to conventional ICCD Cameras, for example:

1. Higher gain about 10 times higher
2. Lower dark noise about 1/10 lower : using bi-alkali photocathode

APPLICATIONS

The cameras can be used for luminescence and fluorescence applications in a macroscopic or microscopic imaging system set up.

- Gene expression experiments
- Colony screening
- Detection of gels and blots
- Enzyme Immunoassay
- Phagocytosis
- DNA hybridization

FEATURES

- **High spatial resolution**
(Typical horizontal center resolution)
450 TV lines (C2741-32A)
370 TV lines (C2741-35A)
- **Low geometric distortion**
Max 2% within inscribed circle
- **High sensitivity**
Single photon counting is possible
- **Wide effective scanning area**
approx. 19.0 mm (H) × 14.2 mm (V) (C2741-32A)
approx. 12.7 mm (H) × 9.5 mm (V) (C2741-35A)

