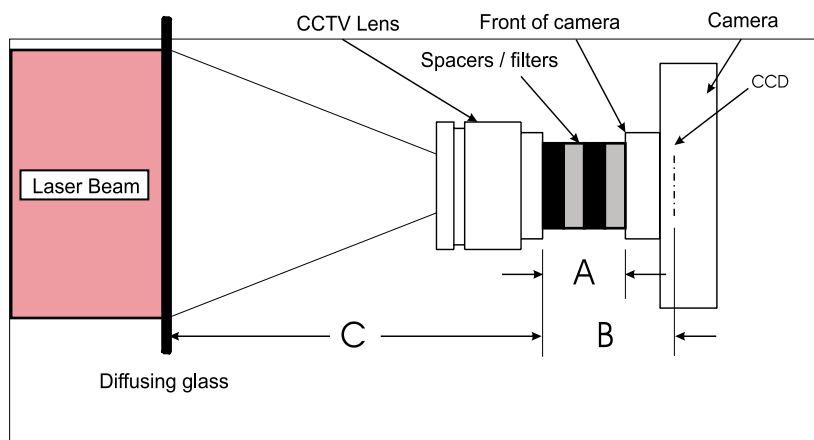
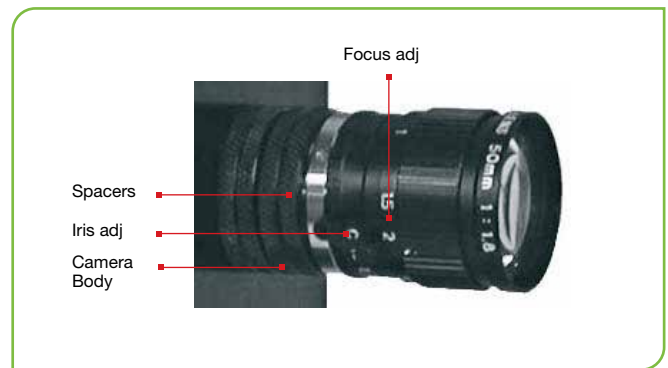


3.4.6 CCTV lens for front imaging through glass or reflected surface

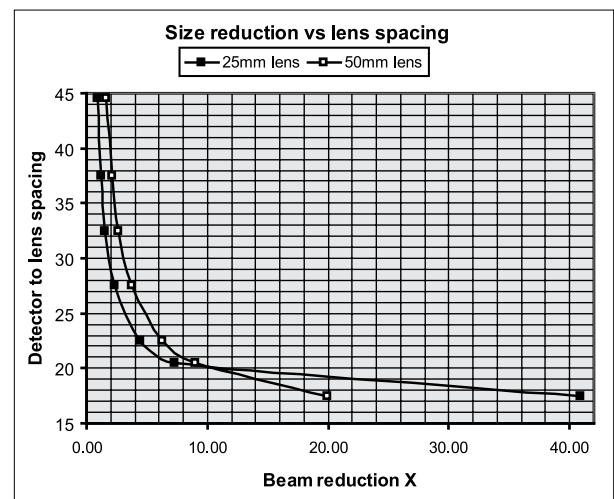
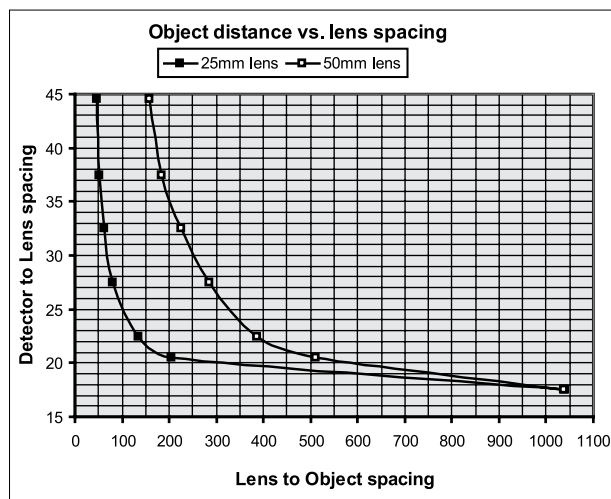
When direct imaging in front of the camera, for example, an image projected onto a diffusing surface, such as a ground glass plate, it is necessary to reduce the image so that it completely fits onto the CCD chip surface. The 25mm and 50mm CCTV lenses image an object from a given plane in front of the lens onto the CCD while reducing the size. The lens can image such objects at distances from about 10cm in front of the lens (20cm for the 50mm lens) to 1 meter or more depending on the distance from the lens to the camera. The distance from lens to camera depends on the camera type and spacers placed between the lens and the camera.



- A** - Total length of spacers added to system
- B** - Detector to Lens spacing. Distance 'A' plus the CCD inset for the camera type
- C** - Lens to Object spacing

CCD inset for Camera Types

C mount (Camera front to CCD = 17.5mm) for nominal lens magnification, use without spacers.
 CS mount (Camera front to CCD = 12.5mm) for nominal lens magnification, use 5mm spacer.
 SP mount (SP cameras. Camera front to CCD = 4.5mm) for nominal lens magnification, use with 13mm spacers.



Ordering Information

Item	Description	P/N
25mm focal length CCTV lens kit	25mm focal length lens assembly with locking iris and focus adjustment. Includes 1 ea - 8mm spacer and 2 ea -5mm spacers	SP90085
50mm focal length CCTV lens kit	Same as above except 50mm focal length lens	SP90038
4mm spacer	Screw on spacer to add 4mm spacing to optical system	SPG01698
5mm spacer	Screw on spacer to add 5mm spacing to optical system	SPG02106
8mm spacer	Screw on spacer to add 8mm spacing to optical system	SPG02067