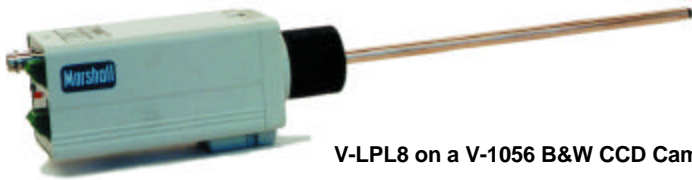


High Tech Pinhole Laparoscopic Lenses



V-LPL8 on a V-1056 B&W CCD Camera

- High Tech Optical Design
- 0.31" O.D.
- Contains High Quality Glass Elements

Measuring only 0.31" in diameter, the V-LPL can be hidden behind walls or ceilings for covert applications. Using the most advanced optical design, the tube of the pinhole lens contains several lenses to provide clear images. The V-LPL8 and V-LPL5 can be used on 1/3" CCD B&W cameras where they can provide an 81° angle of view at a focal length of 4.4mm. Recommended cameras are **V-1056** and **V-1055**.

Part No.	Length	Focal Length	f-stop	Angle of View	Format	Mount
V-LPL8	9.4"	4.4mm	f5.0	81°	1/3" CCD	CS
V-LPL5	4.65"	4.4mm	f5.0	81°	1/3" CCD	CS

High Resolution, Low Light Pinhole Lenses

These manual iris pinhole lenses are designed to work with 1/3" format CCD cameras. The lenses use state of the art optical design which allows them to be used for color cameras in low light conditions. New features such as a push-on cap with a built-in mounting clamp allow convenient options for installation. The push-on cap also protects the optics from damage.

World's Fastest Pinhole Lens!



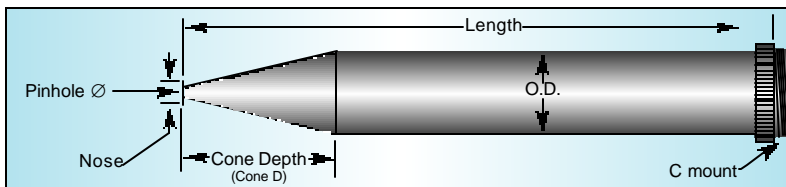
Part No.	V-PL28CS	V-PL35C	V-PL35CS	V-PL45CS	V-PL60CS
Focal Length	2.8mm	3.5mm	3.5mm	4.5mm	6.0mm
Aperture	f1.0	f1.4	f1.4	f1.8	f1.8
Angular *(H)	98°	85°	85°	71°	56°
Field *(V)	81°	69°	69°	56°	44°
of View *(D)	110°	88°	88°	83°	67°
Dimensions	30 x 100mm	28 x 104mm	28 x 109mm	20 x 97mm	18 x 79mm
Mount	CS	C	CS	CS	CS
Pinhole Size	3mm	3mm	3mm	2.5mm	3mm
Cone Depth	13mm	13mm	13mm	9.5mm	11mm

Long Focus Pinhole Lenses



- High Tech Optical Design
- 150, 200 and 300mm
- High Quality Glass Optics

These Long Focus lenses are designed for covert operations where it is necessary to have pinhole features while keeping the camera well away from the viewing tip. These can be used when looking through bushes or walls up to 14.81" thick.



Part No.	Focal Length	f-stop	Format	Mount	Field of View (HxVxD)	Nose	PinholeØ	Cone D	O.D x L
V-PL150C	150mm	f20-C	2/3"CCD	C	3.25° x 2.45° x 4.10°	0.4"Ø	0.1"	1.57"	0.98" x 8.0"
V-PL200C	200mm	f20-C	2/3"CCD	C	2.50° x 1.78° x 3.20°	0.48"Ø	0.1"	1.95"	0.98" x 10.81"
V-PL300C	300mm	f30-C	2/3"CCD	C	1.68° x 1.25° x 2.30°	0.52"Ø	0.17"	2.50"	0.98" x 14.81"