

M12 Series Liquid Lenses

#OPT-S1656-LQL E.F.L.= 16 mm F5.6

● Specifications

Effective focal length (mm)		16
Sensor $\varnothing$ (mm)		9.4(1/1.7")
F NO.		F5.6
FOV Angle	Diagonal (9.25 mm)	31.78°
	Horizontal (7.4 mm)	25.54°
	Vertical (5.5 mm)	19.06°
Wavelength range (nm)		435 ~ 656
Relative illumination		>83%
Working distance (mm)		150 ~ ∞
Distortion		<1.7%
Max chief ray angle		<5.5°
Flange focal distance (mm)		13.91
Back focal length (mm)		8.77
Mount		M12x0.5-6g
Connector type		FPC(2 pins)
Size (mm)		$\varnothing 16 \times 17.97$
Total track length (Liquid Lens included) (mm)		26.21
Focus tunable lens specifications		EL-3-10-VIS-26D-FPC
Focal power range at 20°C (dpt)		-13 ~ +13
Wavefront error at 525 nm (vertical/horizontal) (λ RMS)		<0.2 / <0.2
Working temperature		-20°C ~ +65°C
Storage temperature		-50°C ~ +85°C
Temperature compensation		No

● Mechanical drawings

