NEW ▶ Super Wide-Angle ZnS Lens for IR Cameras
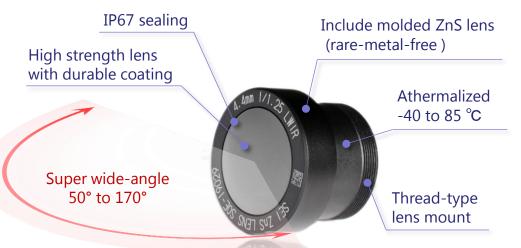
Suitable solution for surround monitoring at dark situations, bad weather

FEATURES

- **50° to 170° HFOV** with 12µm VGA
- **Bright lens** having a small F-number
- **Small, light weight & flat lens shape**
- Strength of ZnS & durable DLC coating make **protective window unnecessary**

APPLICATIONS

- ADAS / Autonomous Driving
- Surveillance
- Factory Automation, etc.

IP67 sealing

High strength lens with durable coating

Include molded ZnS lens (rare-metal-free)

Athermalized -40 to 85 ℃

Super wide-angle 50° to 170°

Thread-type lens mount

P/N	9.6mm f/1.0	4.4mm f/1.25	3.8mm f/1.25
Image Circle	Φ9.6mm	Φ9.0mm	Φ7.6mm
Field of View — 12µm, 640X480	50°(H) X 36°(V)	120°(H) X 81°(V)	171°(H) X 99°(V)
Field of View — 17µm, 320X240	34°(H) X 25°(V)	76°(H) X 55°(V)	92°(H) X 65°(V)
Field of View — 12µm, 320X240	23°(H) X 17°(V)	51°(H) X 38°(V)	61°(H) X 44°(V)
Transmission (8-12µm Average)	71% (DLC)	71% (DLC)	71% (DLC)
Lens Mount	M25 X P0.5mm	M20 X P0.5mm	M20 X P0.5mm
Flange Back	9.7mm	8.7mm	8.2mm
Focus Range	0.8m to infinity	0.3m to infinity	0.3m to infinity
Weight	20g	14g	14g
Sealing	IP67 between 1st Lens & Cap		
Operating Temperature	-40 to +85℃ （athermalized）		
1st Lens Surface Coating	Diamond-Like Carbon or Anti-Reflection Coating		

Sample Image : 3.8mm f/1.25 with 12µm VGA

NEW
Super Wide-Angle ZnS Lens for IR Cameras
Application examples with 12μm VGA camera

CBC GROUP — Powered by SUMITOMO ELECTRIC

*All images shown are for illustration purpose only.

ADAS/AD ex. Line Detection	Factory ex. Forklift	ADAS/AD ex. People Detection
9.6mm f/1.0 — 50°	4.4mm f/1.25 — 120°	3.8mm f/1.25 — 171°

IR Camera

Visible Camera