

# Super Wide-Angle ZnS Lens for IR Cameras

Powered by Application examples with 12μm VGA camera

**ADAS/AD** ex. Line Detection



**Factory** ex. Forklift



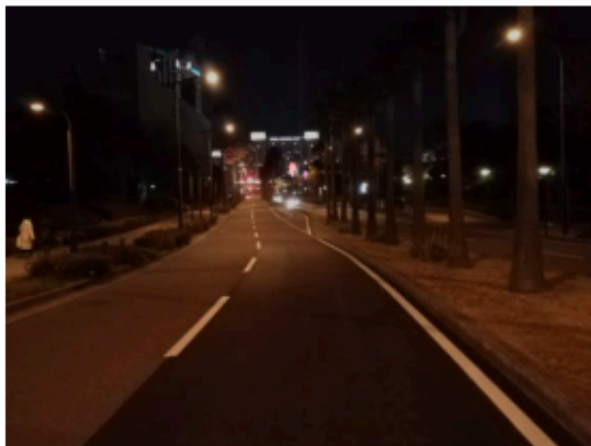
**ADAS/AD** ex. People Detection



IR Camera



Visible Camera



# 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.



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	120°(H) X 81°(V)	171°(H) X 99°(V)
	17μm, 320X240	76°(H) X 55°(V)	92°(H) X 65°(V)
	12μm, 320X240	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 1 <sup>st</sup> Lens & Cap		
Operating Temperature	-40 to +85°C (athermalized)		
1 <sup>st</sup> Lens Surface Coating	Diamond-Like Carbon or Anti-Reflection Coating		

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



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