

TH17V1810-34



- Cost effective lens for high volume application
- Designed for uncooled IR sensors
- Suitable for under FOV 24degree use
- Optimized for the 8-12 μ m wavelength range

Property	Value	Remarks
Optical		
Focal Length	18.8mm	
F/#	1.0	
Horizontal Filed of View	32.9° (A) / 24.3° (B)	
Image Circle	13.6mm	
Back Focal Length	11.3mm	include window
Focus Adjustment	Manual	
Lens transmission (average)	0.79	wavelength 8-12 μ m
Coating Type	AR Coating*1	wavelength 8-12 μ m
Mechanical		
Weight	20g	
Lens Mount	Threaded	M34 \times 0.5(Pitch)[mm]
Environmental		
Operating Temperature	-40°C to +80°C	Athermalized

Specifications are subject to change without notice.

*1 Environmental Test (MIL-F-48616)

Adhesion	Tape Test
Humidity	85°C/95% \times 1000h
Abrasion	Severe 20 stroke
Temperature Shock	-40°C to 100°C \times 1000cycle
High/Low Temperature	100°C \times 750h/-57°C \times 570h

Type	Pitch	Pixels
A	17 μ m	640 \times 480 (VGA)
B	25 μ m	320 \times 240 (QVGA)

Thermal image by ZnS Lens



