

⋮ Thermal Imaging Lenses



LWIR

MWIR





LWIR Zoom Lens

Model	Focus Length	F#	Spectrum	FPA	FOV
LWT25/75	25~75mm	1.2	8~12μm	384×288, 12μm	3.5°×2.6°~15°×11°
				640×512, 17μm	8.3°×6.6°~24°×19°
				640×512, 12μm	5.9°×4.7°~17.5°×14°
				1280×1024, 12μm	11.7°×9.4°~17.5°×14°
LWT15/180	15~180mm	1.3	8~12μm	384×288, 12μm	2.1°×1.6°~17.5°×13°
				640×512, 17μm	3.5°×2.8°~39.8°×32.3°
				640×512, 12μm	2.4°×2°~29°×23.5°
LWT20/100	20~100mm	1.2	8~12μm	384×288, 12μm	2.6°×1.87°~13°×9.8°
				640×512, 17μm	6.2°×5°~30.5°×24.5°
				640×512, 12μm	4.4°×3.5°~21.7°×17.5°
				1280×1024, 12μm	8.8°×7°~42°×34°
LWT20/120	20~120mm	1.2	8~12μm	384×288, 12μm	2.2°×1.6°~13°×9.8°
				640×512, 17μm	5.2°×4.1°~30.5°×24.5°
				640×512, 12μm	3.7°×2.9°~21.7°×17.5°
LWT25/150	25~150mm	1.2	8~12μm	384×288, 12μm	1.75°×1.3°~10.5°×7.9°
				640×512, 17μm	4.2°×3.3°~24.5°×19.7°
				640×512, 12μm	2.9°×2.4°~17.5°×14°
LWT25/150L	25~150mm	1.4	8~12μm	384×288, 12μm	1.75°×1.3°~10.5°×7.9°
				640×512, 17μm	4.2°×3.3°~24.5°×19.7°
				640×512, 12μm	2.9°×2.4°~17.5°×14°
LWT30/150H	30~150mm	1.0	8~12μm	384×288, 12μm	1.75°×1.3°~8.8°×6.6°
				640×512, 17μm	4.2°×3.3°~20.6°×16.1°
				640×512, 12μm	2.9°×2.4°~14.6°×11.7°
LWT30/150	30~150mm	1.2	8~12μm	384×288, 12μm	1.8°×1.3°~8.8°×6.6°
				640×512, 17μm	4.2°×3.3°~20.6°×16.1°
				640×512, 12μm	2.9°×2.4°~14.6°×11.7°
				1280×1024, 12μm	5.9°×4.7°~28.7°×23.1°
LWT30/180	30~180mm	1.4	8~12μm	384×288, 12μm	1.5°×1.1°~8.8°×6.6°
				640×512, 17μm	3.5°×2.8°~20.6°×16.1°
				640×512, 12μm	2.4°×2°~14.6°×11.7°
LWT25/225	25~225mm	1.2~1.5	8~12μm	384×288, 12μm	1.17°×0.88°~10.5°×7.9°
				640×512, 17μm	2.8°×2.2°~24.5°×19.7°
				640×512, 12μm	1.9°×1.5°~17.5°×14°
				1280×1024, 12μm	3.9°×3.1°~42°×34.1°



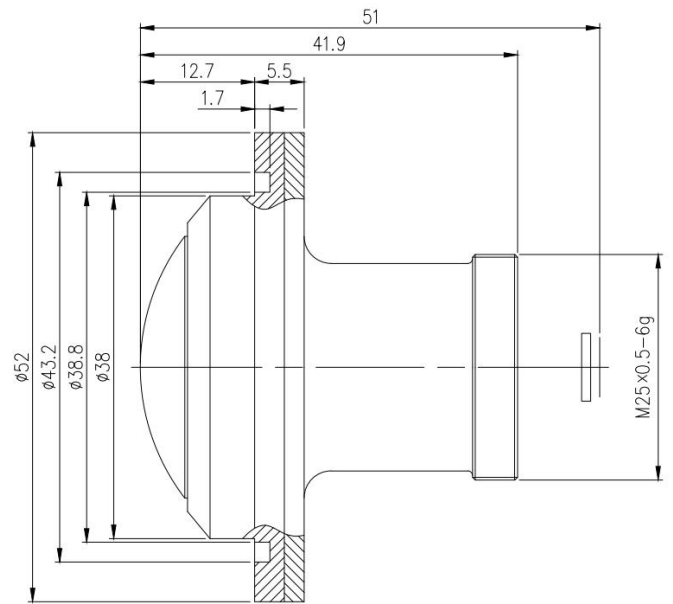
LWIR Fixed Lens

Model	Focus Length	F#	Spectrum	Focus	FPA	FOV
LWT5P8A	5.8mm	1.0	8~12μm	Athermalized	384×288, 12μm 640×512, 17μm 640×512, 12μm	43.3°×33.2° 86.3°×73.7° 67°×55.8°
LWT9P1M LWT9P1A	9.1mm	1.0	8~12μm	Manual Athermalized	384×288, 12μm 640×512, 17μm 640×512, 12μm	28.4°×21.5° 61.7°×51.1° 45.8°×37.3°
LWT13M LWT13A	13mm	1.0	8~12μm	Manual Athermalized	384×288, 12μm 640×512, 17μm 640×512, 12μm 1280×1024, 12μm	20.1°×15.2° 45.4°×37.1° 32.9°×26.6° 61.1°×50.6°
LWT19M LWT19A	19mm	1.0	8~12μm	Manual Athermalized	384×288, 12μm 640×512, 17μm 640×512, 12μm 1280×1024, 12μm	13.8°×10.4° 31.9°×25.8° 22.8°×18.4° 44°×35.8°
LWT25M LWT25A	25mm	1.2	8~12μm	Manual Athermalized	384×288, 12μm 640×512, 17μm 640×512, 12μm 1280×1024, 12μm	10.5°×7.9° 24.5°×19.7° 17.5°×14° 34.2°×27.6°
LWT35M LWT35A	35mm	1.2	8~12μm	Manual Athermalized	384×288, 12μm 640×512, 17μm 640×512, 12μm 1280×1024, 12μm	7.5°×5.6° 17.7°×14.1° 12.5°×10° 24.8°×19.9°
LWT55M LWT55A LWT55E	55mm	1.4	8~12μm	Manual Athermalized Motorized	384×288, 12μm 640×512, 17μm 640×512, 12μm 1280×1024, 12μm	4.8°×3.6° 11.3°×9° 7.9°×6.4° 15.9°×12.7°
LWT75M LWT75A LWT75E	75mm	1.2	8~12μm	Manual Athermalized Motorized	384×288, 12μm 640×512, 17μm 640×512, 12μm 1280×1024, 12μm	3.5°×2.6° 8.3°×6.6° 5.8°×4.7° 11.7°×9.4°
LWT100M LWT100A LWT100E	100mm	1.2	8~12μm	Manual Athermalized Motorized	384×288, 12μm 640×512, 17μm 640×512, 12μm 1280×1024, 12μm	2.6°×1.9° 4.2°×3.3° 4.4°×3.5° 8.8°×7°
LWT150E	150mm	1.2	8~12μm	Motorized	384×288, 12μm 640×512, 17μm 640×512, 12μm 1280×1024, 12μm	1.8°×1.3° 4.2°×3.3° 2.9°×2.3° 5.9°×4.7°



LWIR Fish Eyes Lens

Model	FLWT2P7
Focus Length	2.7mm
F#	1.0
Spectrum	8~14 μ m
FPA	640 \times 512, 12 μ m
FOV	D200 $^{\circ}$
Max Dimension	Φ 52mm, L41.9mm





MWIR Zoom Lens

Model	Focus Length	F#	Spectrum	FPA	FOV
MWT15/300	15~300mm	4	3.7~4.8 μ m	640×512, 15 μ m	1.83°×1.46°~35.5°×28.7°
MWT40/600	40~600mm	4	3.7~4.8 μ m	640×512, 15 μ m	0.91°×0.73°~13.7°×10.9°
MWT40/800	40~800mm	4	3.7~4.8 μ m	640×512, 15 μ m	0.68°×0.55°~13.7°×10.9°
MWT40/1100	40~1100mm	5.5	3.7~4.8 μ m	640×512, 15 μ m	0.5°×0.4°~13.7°×10.9°



MWIR Dual-FOV Lens

Model	Focus Length	F#	Spectrum	FPA	FOV
DMWT15/300	60&240mm	2	3.7~4.8 μ m	640×512, 15 μ m	2.29°×1.83°~9.14°×7.32°
DMWT40/600	60&240mm	4	3.7~4.8 μ m	640×512, 15 μ m	2.29°×1.83°~9.14°×7.32°



MWIR Tri-FOV Lens

Model	Focus Length	F#	Spectrum	FPA	FOV
TMWT15/300	15&137&300mm	4	3.7~4.8 μ m	640×512, 15 μ m	1.83°×1.46° / 4.0°×3.21° / 35.5°×28.7°