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红外热成像产品手册

Thermal 2016

长波非制冷型定焦镜头

LWIR mono-focal (Uncooled)

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LWIR mono-focal (Uncooled)



Specification

Model No.	E.F.L.	F/#	Fov(H×V) 80×80 35μm	Fov(H×V) 160×120 25μm	M.O.D	T%	FFL	Mount
S02210F.LWIR	2.2mm	F1.0	70.0°×70.0°	101.0°×77.0°	0.1m	>88%	13.75	M12*0.5
S03810F.LWIR	3.8mm	F1.0	42.4°×42.4°	60.48°×45.3°	0.1m	>88%	13.75	M14*0.5

Model No.	E.F.L.	F/#	Fov(H×V) 384×288 25μm	Fov(H×V) 640×512 17μm	M.O.D	T%	FFL	Mount
T2S0512F.LWIR	5mm	F1.2	91.3°×72.4°	—	0.5m	>80%	13.75	M34*0.75
T2S0810F.LWIR	8mm	F1.0	67.9°×51.0°	—	0.5m	>85%	13.75	M34*0.75
S1S1010F.LWIR	10mm	F1.0	53.8°×41.6°	—	0.5m	>85%	13.75	M34*0.75
S1S1310F.LWIR	13mm	F1.0	40.5°×30.9°	45.4°×37.0°	0.5m	>85%	13.75	M34*0.75
S1S1510F.LWIR	15mm	F1.0	35.5°×27.0°	39.9°×32.3°	0.5m	>85%	13.75	M34*0.75
S1S1910F.LWIR	19mm	F1.0	28.4°×21.5°	32.0°×25.8°	0.5m	>85%	13.75	M34*0.75
S1S2510F.LWIR	25mm	F1.0	21.7°×16.4°	24.6°×19.8°	0.5m	>85%	13.75	M34*0.75
S1S3510F.LWIR	35mm	F1.0	15.6°×11.7°	17.7°×14.2°	1.5m	>85%	13.75	M34*0.75
S1S4010F.LWIR	40mm	F1.0	13.7°×10.3°	15.5°×12.4°	1.5m	>85%	13.75	M34*0.75
S1S5010F.LWIR	50mm	F1.0	11.0°×8.2°	12.4°×9.9°	1.5m	>85%	13.75	M34*0.75
S1S6010F.LWIR	60mm	F1.0	9.1°×6.9°	10.4°×8.3°	5.0m	>82%	13.75	M34*0.75
S1S7510F.LWIR	75mm	F1.0	7.3°×5.5°	8.3°×6.6°	5.0m	>82%	13.75	M34*0.75
S1S10010F.LWIR	100mm	F1.0	5.5°×4.1°	6.2°×5.0°	10.0m	>82%	13.75	M34*0.75
S1S12012F.LWIR	120mm	F1.2	4.6°×3.4°	5.2°×4.2°	10.0m	>85%	13.75	M34*0.75
S1S15012F.LWIR	150mm	F1.2	3.7°×2.7°	4.2°×3.3°	10.0m	>85%	13.75	M34*0.75
S1S18514F.LWIR	185mm	F1.4	3.4°×2.7°	3.0°×2.2°	10.0m	>85%	13.75	M34*0.75

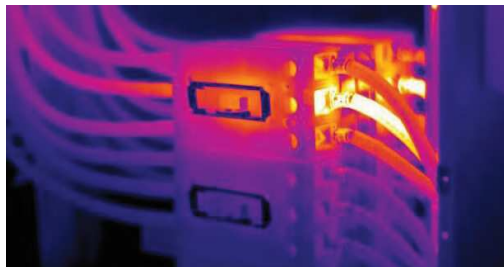
产品特点

- ◆ 17μm像元大小
- ◆ 640 × 512
- ◆ 长波红外透过率85%
- ◆ 无热化设计
- ◆ 工作温度-40°C to +80°C

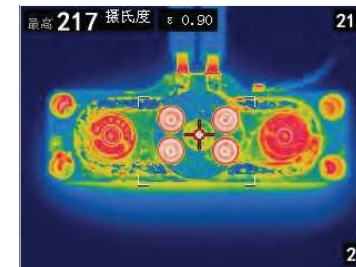
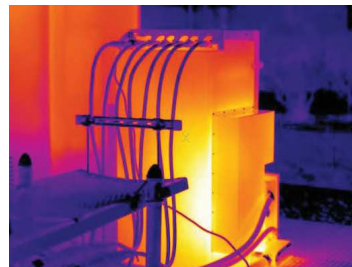
Product features

- ◆ Pixel size 17μm
- ◆ 640 X 512
- ◆ Average Transmission 85% (8~12μm)
- ◆ Athermalization
- ◆ Operating Temperature -40°C to +80°C

产品效果演示



Demo



长波非制冷型变焦镜头

LWIR vari-focal (Uncooled)

长波非制冷型变焦镜头

LWIR vari-focal (Uncooled)

LWIR
8~12μm

Specification



产品特点

- ◆ 电动变焦
- ◆ 变焦全程同步清晰
- ◆ 长波红外透过率 85%
- ◆ 无热化设计
- ◆ 工作温度-40°C ~ 80°C

Product features

- ◆ Monitoring near and far changeable
- ◆ Optical Sync-Focus
- ◆ Average Transmission 85%(8~12μm)
- ◆ Athermalization
- ◆ Operating Temperature -40°C to 80°C

产品效果演示



Demo



	Model No.	E.F.L.	F/#	Fov(H×V) 384×288 25μm	Fov(H×V) 640×512 17μm	M.O.D	T%
5X	S1V20100F.LWIR	20~100mm	F1.0	27.0°×20.4° ~ 5.5°×4.1°	30.4°×24.6° ~ 6.2°×5.0°	1.5m~10m	>80%
	S1V30150F.LWIR	30~150mm	F1.2	18.2°×13.7° ~ 3.7°×2.7°	20.6°×16.5° ~ 4.2°×3.3°	3m~20m	>80%
4X	S1V1560F.LWIR	15~60mm	F1.0	35.5°×27.0° ~ 9.1°×6.9°	39.9°×32.4° ~ 10.4°×8.3°	1m~5m	>80%
	S1V25100F.LWIR	25~100mm	F1.0	21.7°×16.4° ~ 5.5°×4.1°	24.6°×19.8° ~ 6.2°×5.0°	1.5m~10m	>80%
	S1V30120F.LWIR	30~120mm	F1.0	18.2°×13.7° ~ 4.6°×3.4°	20.6°×16.5° ~ 5.2°×4.2°	3m~20m	>80%
	T2V35140F.LWIR	35~140mm	F1.0	15.6°×11.7° ~ 3.9°×2.9°	17.7°×14.2° ~ 4.5°×3.6°	3m~20m	>80%
	T2V44176F.LWIR	44~176mm	F1.2	12.5°×9.4° ~ 3.1°×2.3°	14.1°×11.3° ~ 3.5°×2.8°	3m~20m	>80%
3X	S1V3090F.LWIR	30~90mm	F1.0	18.2°×13.7° ~ 6.1°×4.6°	20.6°×16.5° ~ 6.9°×5.5°	1.5m~10m	>80%
	S1V50150F.LWIR	50~150mm	F1.2	11.0°×8.2° ~ 3.7°×2.7°	12.4°×9.9° ~ 4.2°×3.3°	3m~20m	>80%
Dual Field	S1B40120F.LWIR	40mm/120mm	F1.0	13.7°×10.3°/4.6°×3.4°	15.5°×12.4°/5.2°×4.2°	1.5m/25m	>80%



中波制冷型定焦镜头

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Specification



Model No.	E.F.L.	F/#	Fov(H×V) 320×240 20μm	Fov(H×V) 640×512 15μm 320×256 30μm	M.O.D	T%
S1S2520F.MWIR	25mm	F2.0	14.6°×11.0°	21.7°×17.5°	2m	>80%
S1S3520F.MWIR	35mm	F2.0	10.4°×7.8°	15.6°×12.5°	2m	>80%
S1S5020F.MWIR	50mm	F2.0	7.3°×5.5°	11.0°×8.8°	2m	>80%
S1S10020F.MWIR	100mm	F2.0	3.7°×2.7°	5.5°×4.4°	8m	>80%
S1S13720F.MWIR	137.5mm	F2.0	2.7°×2.0°	4.0°×3.2°	8m	>80%

产品特点

- ◆ 15 μm像元
- ◆ 640 × 512靶面监控范围广
- ◆ 中波红外透过率 > 80%
- ◆ 无热化设计
- ◆ 工作温度-40°C ~ 80°C

Product features

- ◆ Pixel size 15μm
- ◆ 640 X 512
- ◆ Average Transmission 80%(3.7~4.8μm)
- ◆ Athermalization
- ◆ Operating Temperature -40°C to +80°C

产品效果演示



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Specification



Model No.	E.F.L.	F/#	Fov(H×V) 320×240 20μm	Fov(H×V) 640×512 15μm 320×256 30μm	M.O.D	T%
S1V15300F.MWIR	15~300mm	F4.0	24.1°×18.2° ~ 1.2°×0.9°	35.5°×28.7° ~ 1.8°×1.5°	2.5m~25m	>80%
S1V54172F.MWIR	54~172mm	F2.0	6.8°×5.1° ~ 2.1°×1.6°	10.2°×8.1° ~ 3.2°×2.6°	5m~15m	>80%
S1V20130F.MWIR	20~130mm	F2.0	18.2°×13.7° ~ 2.8°×2.1°	27.0°×21.7° ~ 4.2°×3.4°	2.5m~10m	>80%
S1V75300F.MWIR	75~300mm	F2.0	4.9°×3.7° ~ 1.2°×0.9°	7.3°×5.9° ~ 1.8°×1.5°	10m~25m	>80%
S1V33500F.MWIR	33~500mm	F4.0	11.1°×8.3° ~ 0.7°×0.6°	16.6°×13.3° ~ 1.1°×0.9°	5m~50m	>80%

产品特点

- ◆ 15 μm 像元
- ◆ 640 × 512
- ◆ 变焦全程同步清晰
- ◆ 中波红外透过率 80%
- ◆ 无热化设计
- ◆ 工作温度 -40°C ~ 80°C

Product features

- ◆ Pixel size 15μm
- ◆ 640 X 512
- ◆ Optical Sync-Focus
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