

Infrared Outdoor Sports Catalog 2021

Sunny Infrared Optics provides the ultra-light weight and low power consumption consumer electronics solutions in various segments: wilderness survival, wildlife observation, hiking, mountaineering, cross-country driving etc.

We can deliver a full range type of consumer electronics thermal imaging lenses, including manual lenses, athermalized lenses etc. These lenses can ideal for various FPA formats up to VGA, they also have the feature of competitive cost, mass production and compact design.



- Light and compact Design.
- Both Ge and Chalcogenide can be available.
- Compatible with DLC, HD, AR coating, specially DLC.
- Provide customized solutions for infrared thermography lens.

NO.	f (mm)	F#	Sensor	Transmission @8~12μm	Fov(°)	Focus	M.B.F.L (mm)	Mount	Dimensions (mm)	Sealing	Front Lens Coating
QVGA 12μm /17μm Series											
1	13	1.0	384×288 12μm 320×240 17μm	≥90.2%	17.1(H) ×12.9(V) 28.8(H) ×21.7(V)	Athermalized	6.3	M17×0.75	L14.7;Φ26	IP 67	HD
2	15	1.0	384×288 12μm 384×288 17μm	≥85.0%	17.4(H) ×13.1(V) 24.3(H) ×18.4(V)	Athermalized	7.75	M45×1	L25;Φ45	IP 67	HD
3	19	1.0	384×288 12μm 384×288 17μm	≥89.6%	13.9(H)×10.4(V) 19.6(H)×14.7(V)	Athermalized	8.2	M25×0.75	L25;Φ28	IP 67	AR
4	25	1.0	384×288 12μm 384×288 17μm	≥90.2%	10.5(H)×7.9(V) 14.8(H)×11.1(V)	Athermalized	8.5	M28×0.75	L32.7;Φ32.1	IP 67	HD
5	35	1.0	384×288 12μm 384×288 17μm	≥88.0%	7.5(H)×5.6(V) 10.7(H)×8.0(V)	Maunal	8	M33×0.75	L44;Φ45	IP 67	DLC
6	35	1.2	384×288 12μm 640×480 12μm	≥92.6%	7.5(H)×5.7(V) 10.7(H)×8.0(V) 12.7(H)×9.4(V)	Maunal	7	M47×1	L41.5;Φ47	IP 54	AR
7	42	1.1	384×288 12μm 384×288 17μm	≥87.3%	6.3(H)×4.7(V) 8.8(H)×6.6(V)	Maunal	4.82	flange	L30.6;Φ46	IP 67	DLC
8	50	1.2	384×288 17μm 640×480 17μm	≥91.6%	7.5(H)×5.6(V) 12.4(H)×9.9(V)	Maunal	2.8	M47×1	L61.5;Φ52	IP 67	DLC
9	50	1.2	384×288 12μm 640×480 12μm	≥91.6%	7.5(H) ×5.6(V) 8.8(H) ×6.6(V)	Maunal	2.8	M47×1	L61.5;Φ52	IP 67	AR
10	50	1.1	384×288 12μm 640×480 12μm	≥87.3%	7.5(H) ×5.6(V) 8.7(H)×7.0(V)	Maunal	2.52	flange	L59.8;Φ60	IP 67	DLC
11	50	1.0	640×480 12μm 384×288 17μm	≥87.6%	8.8(H) ×6.6(V) 7.5(H) ×5.6(V)	Motorized	/	flange	L83.65;Φ82	IP 67F.L.O	DLC
VGA 12μm/17μm Series											
12	25	1.0	640×480 12μm 640×480 17μm	≥87.2%	17.4(H) ×13.1(V) 24.4(H) ×18.5(V)	Athermalized	7.5	M33×0.75	L40;Φ43	IP 67	HD
13	35	1.0	640×480 12μm 640×480 17μm	≥87.5%	12.6(H)×9.4(V) 17.8(H)×14.2(V)	Maunal	7.5	M33×0.75	L44.5;Φ45	IP 67	DLC
14	50	1.2	640×480 12μm 640×480 17μm	≥93.6%	8.8(H)×7.0(V) 12.4(H)×9.9(V)	Maunal	4.4	M60×1	L55.9;Φ60	IP 67	AR
15	35	1.0	640×480 12μm 640×480 17μm	≥87.5%	12.6(H)×9.4(V) 17.8(H)×14.2(V)	Maunal	7.5	M33×0.75	L44.5;Φ45	IP 67	DLC
16	35	1.2	640×480 12μm 640×480 17μm	≥92.6%	12.7(H)×9.4(V) 17.8(H)×13.3(V)	Maunal	7	M47×1	L41.5;Φ47	IP 54	AR
17	50	1.2	640×480 12μm 640×480 17μm	≥91.6%	8.8(H) ×6.6(V) 12.4(H) ×9.3(V)	Maunal	2.8	M47×1	L61.5;Φ52	IP 67	AR
18	50	1.2	640×480 12μm 640×480 17μm	≥93.6%	8.8(H)×7.0(V) 12.4(H)×9.9(V)	Maunal	4.4	M60×1	L55.9;Φ60	IP 67	AR
19	50	1.1	640×480 12μm 640×480 17μm	≥87.3%	8.7(H)×7.0(V) 12.3(H)×9.9(V)	Maunal	2.52	flange	L59.8;Φ60	IP 67	DLC
20	50	1.0	640×480 12μm 384×288 17μm	≥87.6%	8.8(H) ×6.6(V) 7.5(H) ×5.6(V)	Motorized	/	flange	L83.65;Φ82	IP 67F.L.O	DLC

Contact us for more IR solutions.