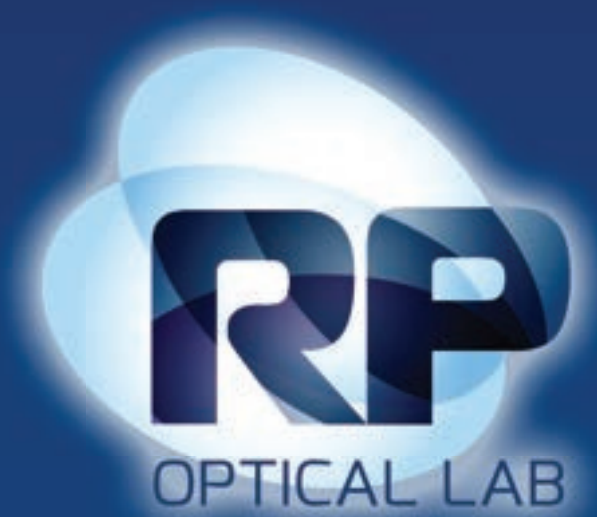




INNOVATIVE IR IMAGING



LENS CATALOG

LWIR - MWIR - SWIR

MODEL			FOCAL LENGTH	F#	HFOV	FPA	WEIGHT	DIMENSIONS Ø X Length
DOVE 115			15-115mm Continuous zoom	3.6	3.2° - 24°	640 x 512 x 10μ	170gr	41 x 66mm
DOVE 170			25-170mm Continuous zoom	3.6	2.2° - 14.5°	640 x 512 x 10μ	270gr	63 x 110mm
DORADO			25-200mm Continuous zoom	4.0	2.75°-21.7°	640 x 512 x 15μ	355gr	72.5 x 114mm
MOSQUITO			15-230mm Continuous zoom	3.6	1.6°-24.1°	640 x 512 x 10μ	280gr	78 x 88mm
IR-FLYs			18-250mm Continuous zoom	4.0	2.35°-31.7°	640 x 512 x 16μ	265gr	78.7 x 87mm
IR-BEE			20-340mm continuous zoom	5.5	1.62°-27°	640 x 512 x 15μ	265gr	78 x 91mm
mRUBY			18-275mm Continuous zoom	5.5	2°-29.8°	640 x 512 x 15μ	265gr	63.5 x 72mm
JUNO			18-275mm Continuous zoom	5.5	2°-29.8°	640 x 512 x 15μ	220gr	63.5 x 71mm
OPAL			50/250mm Dual FOV	4.0	2.2°-10.97°	640 x 512 x 15μ	1.5kg	93 x 115 x 146mm
FOLDED 300 SERIES ²			20-300mm Continuous zoom	4.0	1.83°-26.9°	640 x 512 x 15μ	950gr	92 x 144 x 140mm
ODEM ¹			15-330mm Continuous zoom	4.0	1.7°-35.4°	640 x 512 x 15μ	850gr	96 x 123mm
MERCURY 0			15-330mm Continuous zoom	4.0	1.7°-35.4°	640 x 512 x 15μ	900gr	96 x 123mm

1 - Also available in Long BWD (IRIS-P) version, in which a shutter can be added

2 - Multiple Folding versions of 90°, 180° for different popular sensors

3 - For long 28mm cold stop detectors

MODEL		FOCAL LENGTH	F#	HFOV	FPA	WEIGHT	DIMENSIONS Ø X Length
DIAMOND		18-430mm Continuous zoom	5.5	1.3°-29.8°	640 x 512 x 15μ	900gr	96 x 125mm
MERCURY D	 Zero Boresight	18-430mm Continuous zoom	5.5	1.3°-29.8°	640 x 512 x 15μ	950gr	96 x 125mm
ODEM 460 ¹		25-460mm Continuous zoom	4.0	1.2°-21.7°	640 x 512 x 15μ	2.4kg	135 x 192mm
ELLA		25-500mm Continuous zoom	5.5	1.1°-21.7°	640 x 512 x 15μ	900gr	103 x 116mm
FOLDED 600 SERIES ²		40-600mm Continuous zoom	4.0	0.92°-13.6°	640 x 512 x 15μ	3kg	165 x 169 x 212mm
DIAM 600		30-600mm Continuous zoom	5.5	0.92°-18.1°	640 x 512 x 15μ	1.7kg	135 x 196mm
ODEM 660		30-660mm Continuous zoom	4.0	0.85°-18.1°	640 x 512 x 15μ	2.8kg	188 x 219mm
ODEM 825		40-825mm continuous zoom	4.0	0.7°-13.7°	640 x 512 x 15μ	4.8kg	228 x 268mm
DIAM 860		40-860mm Continuous zoom	5.5	0.64°-13.6°	640 x 512 x 15μ	3kg	218 x 223mm
DIAM 1075		45-1075mm Continuous zoom	5.5	0.51°-12.1°	640 x 512 x 15μ	4.9kg	228 x 272mm
ELLA 1400		70-1400mm Continuous zoom	5.5	0.4°-7.85°	640 x 512 x 15μ	6.5kg	273 x 300mm
GALAXY	 HD	20-300mm Continuous zoom	3.4-4.0	2.45°-35.4°	1280 x 1024 x 10μ	970gr	110 x 150 x 170mm
IRIS-BB 330 ³	 HD	18-330mm Continuous zoom	3.0-4.0	2.22°-39.1°	1280 x 1024 x 10μ	950gr	95 x 125mm

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MODEL			FOCAL LENGTH	F#	HFOV	FPA	WEIGHT	DIMENSIONS Ø X Length
ZENITH		HD	18-400mm Continuous zoom	3.4-4.0	1.83°-39.1°	1280 x 1024 x 10μ	1.35kg	130 x 153mm
GALAXY 600		HD	40-600mm Continuous zoom	4.0	1.22°-18.1°	1280 x 1024 x 10μ	3.5kg	173 x 176 x 256mm
IRIS-BB 660 ³		HD	40-660mm Continuous zoom	3.0-4.0	1.11°-24.1°	1280 x 1024 x 10μ	3kg	200 x 220mm
GARNET ³		HD	30-400mm Continuous zoom	3.0-4.0	2.75°-35.4°	1920 x 1536 x 10μ	1.25kg	120 x 230mm
ZENITH 800		HD	40-800mm Continuous zoom	3.4-4.0	0.92°-18.1°	1280 x 1024 x 10μ	4.2kg	220 x 254mm
NEPTUNE		HD	40-1000mm Continuous zoom	4.0	0.73°-18.1°	1280 x 1024 x 10μ	8kg	284.5 x 300mm
DRAGON 1200 ³		HD	70-1200mm Continuous zoom	4.0	0.92°-15.6°	1920 x 1536 x 10μ	13.5kg	335 x 451mm

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LWIR UNCOOLED

Zoom Lenses



XGA resolution



Zero Boresight



Light Weight

MODEL		FOCAL LENGTH	F#	HFOV	FPA	WEIGHT	DIMENSIONS Ø X Length
TOPAZ		22/66mm Dual FOV	1.25	9.45°-27.7°	640 x 480 x 17μ	350gr	78 x 58mm
GALIL		33/99mm Dual FOV	1.25	8.9°-26.2°	1280 x 1024 x 12μ	725gr	122 x 112mm
BARKAT		45/135mm Dual FOV	1.1-1.6	4.62°-13.7°	640 x 480 x 17μ	1.6kg	99 x 110 x 142mm
CATTY	 	45/135mm Dual FOV	1.32-1.4	7.4°-21.8°	1024 x 768 x 17μ	1.5gr	130 x 168mm
SHARK		85-190mm Dual FOV	1.2	3.3°-7.3°	640 x 480 x 17μ	2.3kg	170 x 232mm
TOPAZc	  	18-60mm Continuous zoom	1.4	10.4°-33.6°	640 x 480 x 17μ	220gr	70 x 76mm
YARKON	  	24-90mm Continuous zoom	0.9	7.81°-28.7°	1024 x 768 x 12μ	1.2kg	113 x 120mm
CEDAR		15-100mm Continuous zoom	1.4	6.23°-39.8°	640 x 480 x 17μ	1kg	115 x 119mm
PECAN		24-105mm Continuous zoom	1.1-1.55	5.95°-29.5°	640 x 480 x 17μ	1kg	85 x 130mm
DEKEL		25-150mm Continuous zoom	1.4	4.15°-24.5°	640 x 480 x 17μ	1.2kg	116 x 153.7mm
KEW		25-225mm Continuous zoom	1.5	2.8°-24.5°	640 x 480 x 17μ	3kg	188 x 208mm
CONDOR	 	40-300mm Continuous zoom	1.5	2.93°-21.7°	1280 x 1024 x 12μ	5.9kg	238 x 293mm

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Zoom Lenses



XGA resolution



XGA resolution  Zero Boresight  Light Weight



Light Weight

MODEL		FOCAL LENGTH	F#	HFOV	FPA	WEIGHT	DIMENSIONS Ø X Length
ALDAN		60-180mm Continuous zoom	2.24	3.1°-9.15°	640 x 512 x 15µ	830gr	95 x 104mm
JASPER		60-240mm Continuous zoom	2.76	2.44°-9.75°	640 x 512 x 16µ	830gr	97 x 103mm
CACTUS		15-300mm Continuous zoom	2.0	1.83°-35.4°	640 x 512 x 15µ	3kg	170 x 271mm
TRIF		60/110/360mm Triple FOV	2.24	1.55°/5°/9.15°	640 x 512 x 15µ	3.5kg	174 x 192mm
URSA		30/60/180/400mm Four FOV	2.24	1.4°/3.1°/ 9.15°/18.1°	640 x 512 x 15µ	6.5kg	245 x 199 x 293mm

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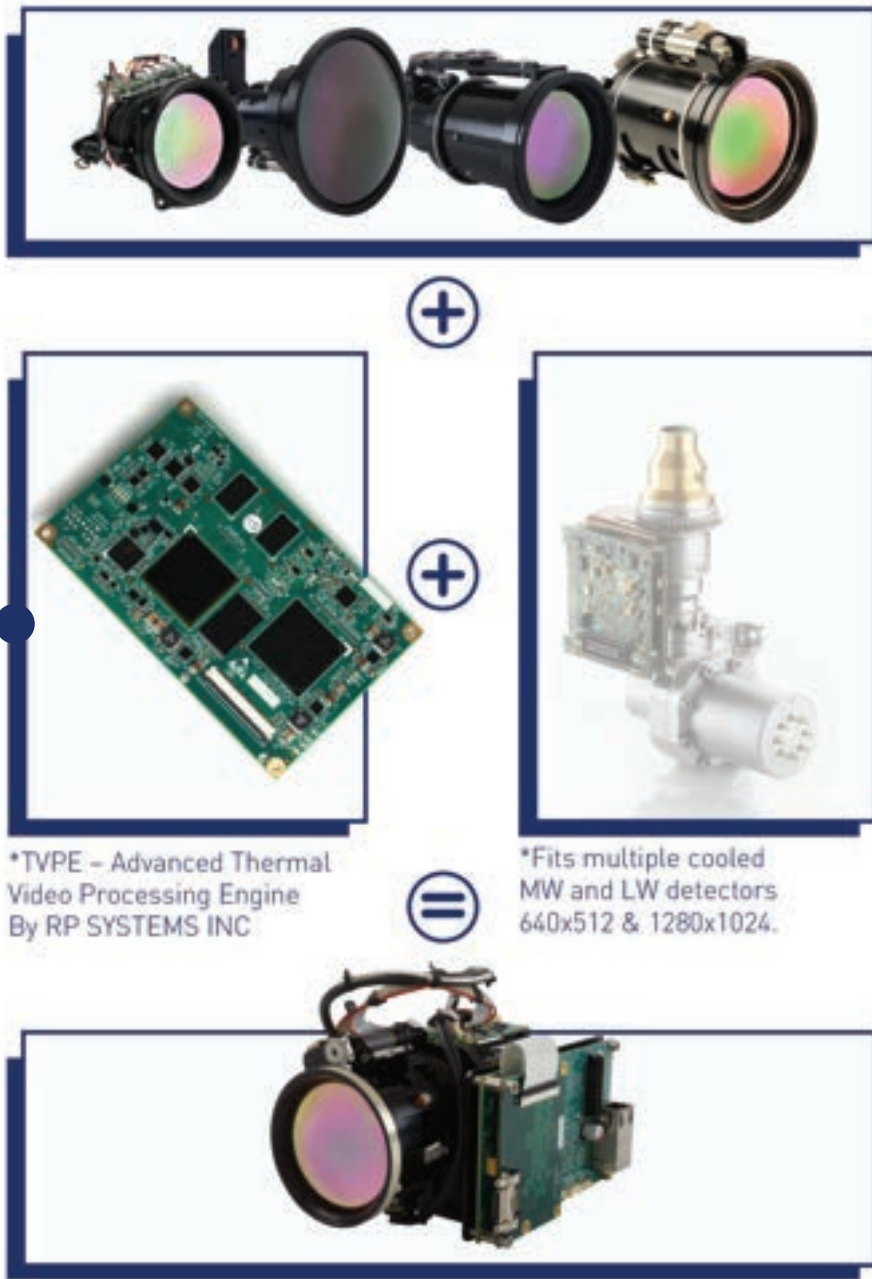
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SWIR & MULTISPECIAL

MODEL			FOCAL LENGTH	F#	WAVELENGTH	FPA	WEIGHT	DIMENSIONS Ø X Length
125A12			12.5mm A-Thermalized	1.2	0.6-1.7µ	640 x 512 x 15µ	120gr	30 x 81mm
14A175			14mm A-Thermalized	1.75	0.42-1.7µ	640 x 512 x 15µ	49gr	28 x 46mm
TETRA		 	800mm Mono focal 400/900mm Dual FOV	10 5.0/11	0.4 – 0.7µ 0.7 – 1.7µ	1280 x 720 x 10µ	1.2kg	90 x 180mm
RP-SW300			300mm Motorized Focus	4.5	0.9-1.8µ	1280 x 1024 x 10µ	800gr	89 x 272 x 103mm
RP-SW500			500mm Motorized Focus	10	0.9-1.8µ	1280 x 1024 x 10µ	1.2kg	80 x 260 x 103mm
SNIR			75/250mm Dual FOV	4.7	1-5µ	640 x 512 x 15µ	1.3kg	75 x 252mm
CAMELLIA			20-140mm Continuous zoom	3.8	0.9-1.7µ	1280 x 720 x 10µ	1.4kg	109 x 187mm
CORAL			30-300mm Continuous zoom	2.85-4.5	0.9-1.7µ	640 x 512 x 15µ	2kg	88 x 267.6mm
LOTUS			15-300mm Continuous zoom	2.8-4.3	0.9-1.7µ	640 x 512 x 15µ	2.5kg	95 x 294mm
TORUS			36-432mm Continuous zoom	6.0	0.9-1.9µ	1280 x 1024 x 10µ	3.5kg	119 x 388mm
CROCUS			50-500mm Continuous zoom	5.0	0.9-1.9µ	1280 x 1024 x 10µ	3.7kg	115 x 470mm
GUDVIN			80-680mm Continuous zoom	7.0	0.9-1.7µ	1280 x 1024 x 10µ	2.9kg	264 x 110.5 x 170mm
CROCUS 1000			100-1000mm Continuous zoom	10	0.9-1.9µ	1280 x 1024 x 10µ	3.7kg	117 x 508mm
AMARYLLIS		 	VIS 400/1620 Dual FOV SWIR 500- 2500mm CZ	4-16	0.4 – 0.9µ 0.9 – 1.7µ	1280 x 1024 x 10µ	13kg	186 x 559mm

RP Cores – Lens + TVPE Bundle

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