

非冷却・高感度中赤外検出器 「RIGI-MIR」



外観は変更される場合があります

【アプリケーション例】

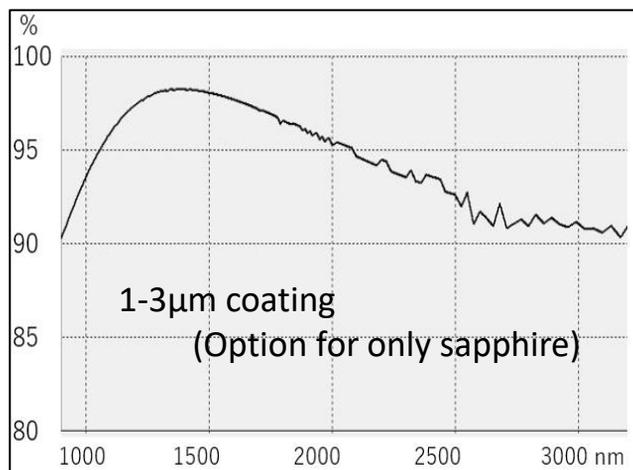
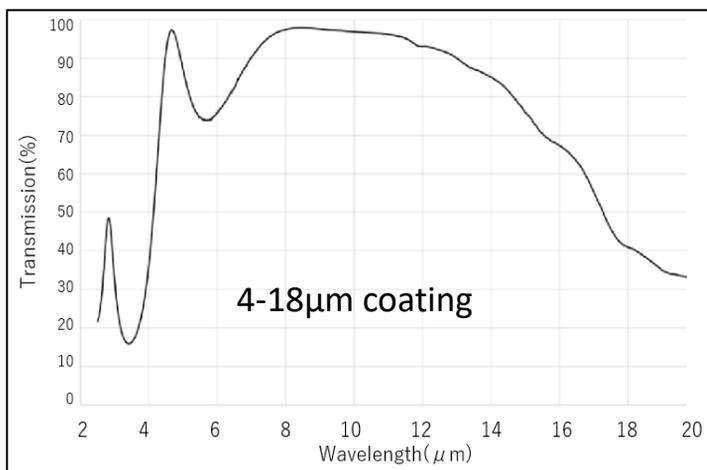
- ・ビームプロファイリング
- ・イメージングシステム
- ・黒体輻射
- ・セキュリティ
- ・光学アライメント

(μW オーダーで検出可能)

【仕様】

Model	S2	S3	M1	M2	L2	XL2
Pixel size	25 μm	17 μm	25 μm	17 μm	15 μm	12 μm
Number of pixel	160 × 120	160 × 120	384 × 288	640 × 480	1024 × 768	1280 × 1024
Active area(mm)	4 × 3	2.7 × 2.04	9.6 × 7.2	10.88 × 8.16	15.36 × 11.52	15.36 × 12.288
Dynamic range	14 bit	14 bit	14 bit	14 bit	14 bit	14 bit
Frame rate	9 Hz	9 Hz	50 Hz	50 Hz	4.5 or 50 Hz	4.5 or 50 Hz
NETD	<70mK@f/1300K					
Shutter	Integrated for automatic background correction					
Sensitivity	1.0 μm – 20 μm (depend on coating)					
Power supply	USB- powered					
Weight	<70g			<100g		
Dimensions(cm)	W3.2×H3.2×D4			W4×H4×D5.5		
Window	Ge(base), Si, Sapphire					
Adapter	none , C-mount (optional)					

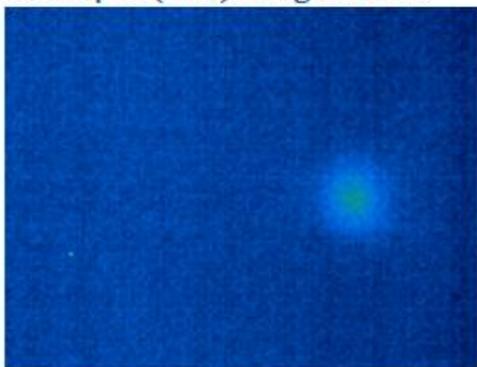
グラフ曲線データは典型値です



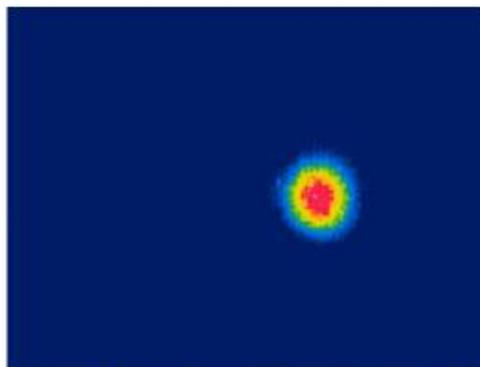
Beam profiling examples: At Alpes Lasers LLC (Switzerland)

Measurements were performed using the S2 (160x120, 25 μm) model.

Laser: 1.8 μm (CW)- single frame

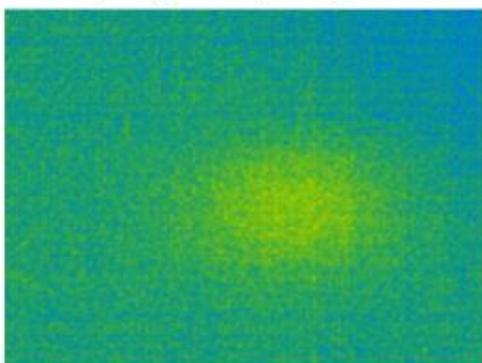


Input: 0.63 μW (CW); Int. time: < 500 μs

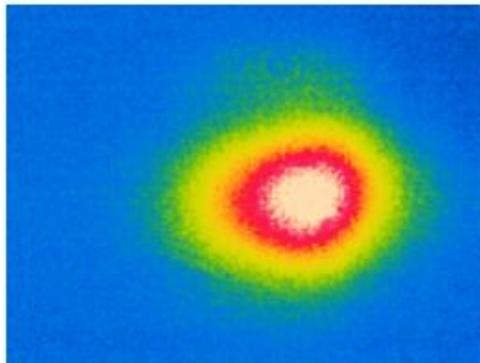


Input: 10 μW (CW); Int. time: < 50 μs

Laser: 9.7 μm (pulsed)- single frame



Input: 4.4 μW ; Int. time: < 500 μs



Input: 30 μW ; Int. time: < 500 μs



ゲルマニウム組レンズの
取り付け時



Geレンズでの撮像事例