



Go above and beyond, for all series, in all domains

With InfiRay®'s innovative infrared technology, 12μm detector provides solutions for the demanding application of small size, low power and cost. In this series, a remarkable detector comes in with a high resolution of 1280×1024 pixels, which is InfiRay®'s largest array and smallest pixel detector up to now.



CERAMIC PACKAGE



WLP



Urban Security



Special Area Patrol

Model	S121	6122	3122	2121
Detector Type	Uncooled VOx microbolometer			
Array Size	1280×1024 (1024 ×768 optional)	640 × 512	384×288	256×192
Pixel Pitch	12μm			
Spectral Response	LWIR , 8~14μm			
NETD	≤40mK (@f/1.0, 30Hz, 300K)	Standardized≤40mK/Customized≤30mK (@f/1.0, 50Hz, 300k)	Standardized≤40mK/Customized≤30mK (@f/1.0, 50Hz, 300k)	≤40mK (@f/1.0, 25Hz, 300k)
Output Signal	Digital Output			
Thermal Time Constant	10ms			
Frame Rate	30Hz	60Hz	60Hz	30Hz
Power Consumption	350mW (@30Hz, 300K)	170mW (@50Hz, 300 K)	110mW (@50Hz, 300 K)	50mW (@25Hz, 300K)
Package Type	Metallic	Ceramic/WLP	Ceramic/WLP	WLP

Package Size (L×W×H)	46mm×40.7mm×8.31mm	Ceramic : 22mm×22mm×4.58mm / WLP : 16.5mm×16.5mm×2.70mm	10mm×10mm×1.9mm
Weight	50g	Ceramic : 5g/WLP : 2.2g	1.5g
Operating Temperature	-40°C~+60°C	-40°C~+85°C	

Product consulting

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