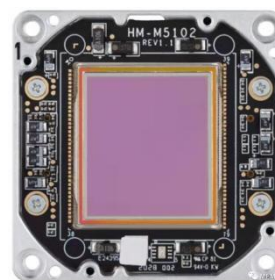


S1212D1

1280x1024 Uncooled Thermal Detector

Technical Data



Suzhou Ground Sensor Inc.

S1212D1 Vox Detector Technical data

Parameter	S1212D1
Material	VOx
Resolution	1280*1024
Pixel Pitch	12 μ m
Typical NETD	\leq 40/50mk@F1.0, 25Hz, 300K
Spectral range	8~14 μ m
Package	WLP
Dimension	40mm*40mm*6.63mm
Digital output	14 bit LVDS 4 Channel
Responsivity	12mV/K
Typical response time	12mS
Power	Digital: 1.8V Digital/Analog: 3.6V VSK: 7V
Weight	30g
Power consumption	< 350mW@25 Hz, 300K
Frame Rate	25HZ
Operating mode	TEC-less, OOC
Junction temperature	-40 $^{\circ}$ C~85 $^{\circ}$ C
Dead Pixel Rate	< 1%