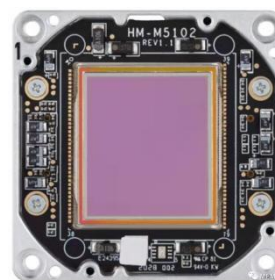


S1212D1

1280x1024 Uncooled Thermal Detector

Technical Data



Suzhou Grand 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% |