

VA-KIP1212

InGaAs Short Wave infrared LineScan Detector



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Parameter	
Detector specifications and pixel center distance	1280×1024/10μm
Effective pixel rate	≥99.5%
Response rate non-uniformity	≤6%
Spectral response range	0.9μm-1.7μm
Full frame maximum frame rate	≥60Hz@4 channels
Number of quantization bits	14bit/15bit
Peak quantum efficiency	≥75%@1550nm
Dynamic Range	≥80dB
Typical peak detection rate	5×10 ¹² cm. [√] Hz/W
Package	Metal vacuum package, built-in TEC, weight 19g

Product features

built-in 14/15bit ADC, digital output, high quantum efficiency, high dynamic range, high detection sensitivity, metal tube vacuum integrated packaging, working at or near room temperature

Application fields

short-wave infrared imaging, spectral analysis, etc., which can be used for night vision imaging, border inspection and security, military equipment, industrial and agricultural detection, satellite remote sensing, biomedicine, environmental monitoring, etc.

