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Specifications

Linear KLI-8811

Summary Specification

Parameter	Value
Architecture	Quad Output Linear
Pixel Count	8,800 (Selectable to 7,300)
Pixel Size	7 μm (H) x 7 μm (V)
Imager Size	63.5 mm (H) x 1.2 mm (V)
Saturation Signal	100,000 electrons
Dynamic Range	70 dB
Responsivity (wavelength = 550 nm)	12 V/ $\mu\text{J}/\text{cm}^2$
Output Sensitivity	11.5 $\mu\text{V}/\text{electron}$
Dark Current	0.02 pA/pixel
Dark Current Doubling Rate	9°C
Charge Transfer Efficiency	0.99999/Transfer
Photoresponse Non-uniformity	5% Peak-Peak
Lag (First Field)	0.4%
Maximum Data Rate	120 MHz (30 MHz/channel)