Vision Datum

LEO Series Line Scan Cameras

LEO 16K

- 16K @50 KHz
- Adopts CameraLink interface to transmit data
- Supports four configuration modes: Base, Medium, Full and 80-bit
- Compatible with CameraLink Vision Protocol, GenICam Standard, and the third-party software based on these protocol and standard
- Support Windows

Applied range • Defect Detection • Surface Patch Detection • Visual Positioning • Size Measuring • QR Code Reading • VR/AR • Logistics

Camera	LEO 16K-50CM	LEO 16KT2-50CM Supports 2TDI
Resolution [H*V]	16384 × 1	16384 × 2
Sensor Type	CMOS	
Pixel Size [μm]	3.5	
Line Frequency [KHz]	10 kHz(Base), 20 kHz(Medium), 40 kHz(Full), 50 kHz(80-bit)	Full Resolution: 10 kHz(Base), 20 kHz(Medium), 40 kHz(Full), 50 kHz(80-bit) Binning(Full Resolution):71 kHz@1-Line, 60 kHz@2-TDI ROI(6820 resolution and below):120 kHz@1-Line, 60 kHz@2-TDI
Taps	2/4/8/10 Taps	
Pixel Clock	40 MHz，66 MHz，80 MHz，85 MHz	
Exposure Time	2μs~10s	3μs~10s
Dynamic Range	64.7dB	56.7dB
Mono/Color	Mono	
Image Format	Mono8/10/12	
Interface	CameraLink（SDR）	
Synchronization	Via hardware trigger、software trigger or free run mode	
Housing Size	76 × 76 × 42.1mm (320g)	
Operating Temperature	-30~80 ° C (Storage), 0~55° C (Working)	
Lenses Mount	M72*0.75，BFL 12 mm	
Digital I/O	Bi-directional configurable I/O x 4, supports differential and single-ended IO signals; Camera Link provides IO	
Power Input	DC 12-24V	
Power Consumption	12V @7.2W	12V @9.8W
Driver	iDatum or Frame Grabber software meeting with CameraLink Protocol	
Operating System	Windows	
Conformity	Camera Link , GenICam	

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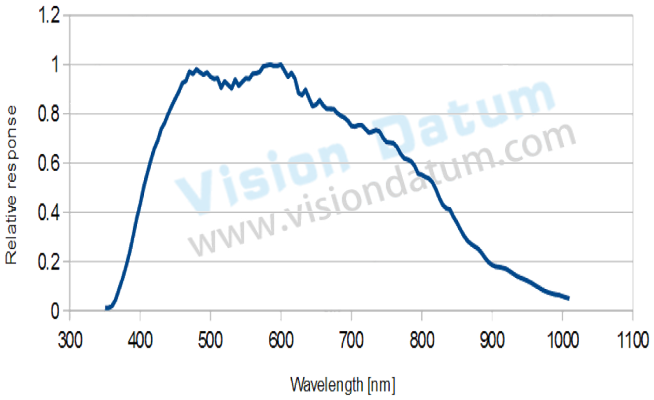
Spectral Response



Dimensions