

ProLine PL16803LDR: High throughput, large field-of-view Radiography without film!

CCD Specifications

Sensor	Kodak KAF-16803
Grade	Standard
CCD Format	4096 (H) x 4096 (V) = 16.8 Mp
Chip Size	38.6 mm (H) x 37.76 mm (V)
Pixel Size	9 μm (H) x 9 μm (V)
Saturation Signal	85 K e-
Read Noise	9 electrons @ 4 MHz
Dark Current Doubling Temp	6.6 deg C

Camera Electrical Performance

Fast Readout Speed	8 MHz
Slow Readout Speed	1 MHz
Typical Readout Noise @ 8 MHz	12-14 electrons RMS
Typical Readout Noise @ 1 MHz	8-10 electrons RMS
Typical Cooling Performance	Up to 45-50 deg C below ambient temperatures
I/O Control	External Trigger Control is LVTTTL
Non-Linearity	<1% of signal

Camera Physical Characteristics

Weight	5.5 lbs
HWD	4" x 6.2" x 6.2"
Hermetically Sealed Chambers	CCD and Electronics
Power Requirements	12V
Back Focus Distance (CCD to Lens)	6.59mm
Mounting Method	4-40 UNC

Lens: Ultimate Imaging Quality under Extreme Operating Conditions

Aperture	1:1.0 in (Lowest Possible Exposure Times)
Objective Field	43cm x 43cm

KAF-16803

