

Typical Specifications STXL-11000

CCD	
CCD	Kodak KAI-11002M
Pixel Array	4008 x 2672 pixels
Active Image Size	36 x 24.7 mm
Total Pixels	11 million
Pixel Size	9 x 9 microns square
Full Well Capacity	60,000 e-
Read Noise	11e-
Dark Current	0.5e-/pixel/sec at 0C.
Antiblooming	Yes
Readout Specifications	
Shutter	Mechanical, Even-illumination
Exposure	0.001 to 3600 seconds,
Correlated Double Sampling	Yes
A/D Converter	16 bits
A/D Gain	0.87e-/ADU
Binning Modes	1 x 1, 2 x 2, 3 x 3, 9x 9, 1 x n
Pixel Digitization Rate	1.8 million pixels per second
Full Frame Download	6.3 seconds
System Specifications	
Cooling - standard	Two Stage Thermoelectric, Variable Speed Fan
Cooling - max delta	-60C with air only Water cooling ready
Temperature Regulation	±0.1°C
Power	12VDC at 6 amps, universal power supply included
Computer Interface	Ethernet and USB 2.0
Computer Compatibility	Windows (all Windows O/S supporting USB 2.0 including Vista 32 and 64 bit, Windows 7) Mac
Physical Dimensions	
Optical Head (excluding fan)	6 x 6 x 3.5 inches
Mounting	3" threaded accessory plate
Weight	Approx. 4.5 pounds (2 kg)

Typical Specifications STXL-6303

CCD	
CCD	Kodak KAF-6303
Pixel Array	3072 x 2048
Active Image Size	27.65 x 18.48 mm
Total Pixels	6.3 million
Pixel Size	9 x 9 microns square
Full Well Capacity	100,000 e-
Read Noise	11e-
Dark Current	0.3e-/pixel/sec at 0C.
Antiblooming	NABG Only
Readout Specifications	
Shutter	Mechanical, Even-illumination
Exposure	0.12 to 3600 seconds,
Correlated Double Sampling	Yes
A/D Converter	16 bits
A/D Gain	1.47e-/ADU
Binning Modes	1 x 1, 2 x 2, 3 x 3, 9x 9, 1 x n
Pixel Digitization Rate	1.8 million pixels per second
Full Frame Download	4 seconds
System Specifications	
Cooling - standard	Two Stage Thermoelectric, Variable Speed Fan
Cooling - max delta	-60C with air only Water cooling ready
Temperature Regulation	±0.1°C
Power	12VDC at 6 amps, universal power supply included
Computer Interface	Ethernet and USB 2.0
Computer Compatibility	Windows (all Windows O/S supporting USB 2.0 including Vista 32 and 64 bit, Windows 7) Mac
Physical Dimensions	
Optical Head (excluding fan)	6 x 6 x 3.5 inches
Mounting	3" threaded accessory plate
Weight	Approx. 4.5 pounds (2 kg)

