



## STT-8300M

### Typical Specifications



CCD	
CCD	Kodak KAF-8300
Pixel Array	3326 x 2504 pixels
CCD Size	17.96 x 13.52 mm
Total Pixels	8.3 million
Pixel Size	5.4 x 5.4 microns square
Full Well Capacity	~25,500e-
Dark Current	~0.02e- / pixel / sec at -10°C
Antiblooming	1000X

Readout Specifications	
Shutter	Even-illumination, Mechanical
Exposure	0.12 to 3600 seconds
A/D Converter	16 bits
A/D Gain	0.37e- / ADU
Read Noise	~9e-
Binning Modes	1 x 1, 2 x 2, 3 x 3, 9x 9, n x 1
Pixel Digitization Rates	10 Megapixels per second
Full Frame Download	<1 second

System Specifications	
Max Cooling Delta	-55°C
Temperature Regulation	±0.1°C
Power	12VDC, 3.5 amps max
Computer Interface	USB 2.0 and Ethernet
Computer Compatibility	<ul style="list-style-type: none"> <li>• Windows 32/64-bit</li> <li>• Mac OSX</li> </ul>

Physical Dimensions	
Camera Body	4.9 x 4.9 x 2.9 in. (124 x 124 x 74 mm)
Mounting	T-Thread, 2" nosepiece
Weight	2.7 pounds / 1.2 kg
Backfocus	0.69 inches / 17.5 mm

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