



Aluma 694

Imaging sensor	ICX-694
Peak QE	75%
Sensor size	14.6 mm x 12.8 mm
Imaging pixel array	2750 x 2200
Pixel size	4.54 μm (square)
Pixel digitization rate	8 MPix/sec
Total pixel count	6 million pixels
Full well capacity	18,000 e-
Read noise	4.5 e- typical
Dark current e/p/s at 0 C	0.025 e-/p/s typical
Anti-blooming	Yes
A/D converter	16-bit
Exposure duration minimum	0.001 sec
Full frame download	~1 sec via USB
Internal tracking sensor	No
Power	12 VDC, 5A max
Shutter	Mechanical, even-illumination
Temperature regulation	Yes
Cooling delta	Typical maximum -40° to -45° C
Dimensions	4.5" x 4.5" x 4" (with handles)
Weight	2.2 lbs
Computer interface	USB2 / WiFi 802.11 b/g/n
OS compatibility	Windows 32 and 64 bit, Macintosh, Linux, iOS, Android

Supported options:	
Adaptive optics	Yes
Filter wheel	Yes
Self-guiding filter wheel	Yes
Filter size	36 mm / 1.25"
Off-axis guiding	Yes via FW8G-Aluma
Remote guide head	Yes