



The Apx series takes full advantage of large-format cooled CMOS sensors and features cameras designed mainly for SSA/SDA and professional astronomy. Its low read noise architecture is ideal for faint object detection, while it is also configurable for telescope or optical systems specifications (with C-mount, custom flanges, F-mount and other flexible options).

The advanced cooling system, reliable design and long-term durability of the Apx series deliver consistent results and a high-level performance for the entire duration of your project.

- Large-format and high-resolution CMOS sensors
- Zero amp glow and low read noise
- High-performance cooling
- Deep dynamic range
- Ultra-clean long exposures
- Solid build and compact design
- Flexible integration



ATIK  
CAMERAS

# Apx Technical Specifications

	<b>Apx26</b>	<b>Apx60</b>
Image sensor	Sony IMX571 CMOS (Mono/Color)	Sony IMX455 CMOS (Mono/Color)
Resolution	6252 × 4176	9576 × 6388
Sensor diagonal (effective pixels)	28.3 mm (23.5 mm x 15.7mm)	43.3 mm (36 mm x 24mm)
Pixel size	3.76 μm	3.76 μm
Full well capacity	51 000 e <sup>-</sup>	51 000 e <sup>-</sup>
Read noise	1.4 e <sup>-</sup> (High Gain Mode) 3.6 e <sup>-</sup> (Low Gain Mode)	1.4 e <sup>-</sup> (High Gain Mode) 3.6 e <sup>-</sup> (Low Gain Mode)
Dark current	0.0008 e <sup>-</sup> /p/s at -15°C	0.002 e <sup>-</sup> /p/s at -15°C
Cooling capacity	35° C below room temperature	35° C below room temperature
Mount type	M54 × 0.75	M54 × 0.75
ADC	16 bit	16 bit
Back focus distance	17.5 mm ±0.5 (10.5mm ±0.5 without levelling plate)	17.5 mm ±0.5 (10.5mm ±0.5 without levelling plate)
Reading mode	Electronic Rolling Shutter	Electronic Rolling Shutter
Exposure range	0.001s to 24 hours	0.001s to 24 hours
Frame rate	4 FPS	3.1 FPS
Maximum current consumption	2.4 A	2.4 A
Power supply	12VDC 5A	12VDC 5A