

## Pyxis 2" GEN3 compared to Original Pyxis 2" Rotator

	<b>Original Pyxis 2" Camera Field Rotator</b>	<b>Pyxis 2" GEN3 Camera Field Rotator</b>	
Overall size (diameter)	148mm (5.8")	152mm (6")	
Back-focus usage	38mm (1.5")	38mm (1.5")	<i>Thickness measured without adapters</i>
Weight	0.7 kg (1lb. 8.8oz)	0.8 kg (1lb. 12oz.)	<i>Weight without adapters</i>
Clear Aperture	41.9mm (1.65-inches)	50.2mm (2-inches)	
Available Torque	1 nM (0.74 ft-lbs)	1.25 nM (0.92 ft-lbs)	
Stepper Motor	Nippon (48 steps/rev)	Linn (400 steps/rev)	<i>Linn Motors are made in the U.S.A.</i>
Motor Type	Unipolar	Bi-Polar	
Steps for full 360 degree rotation	5,280	29,332	
Step Resolution (steps per degree)	~15 steps/degree	~81 step/degree	
Step Size	0.244 degree	0.0123 degree	
Step Driver Design	L/R Voltage Driver	Constant Current	
Telescope Side interface	OPTEC-2100	OPTEC-2400	<i>Note: Expansion ring available for GEN3 to fit NextGen/Lepus telecompressors.</i>
Camera Side interface	OPTEC-2300	OPTEC-2300	<i>Both models include the standard 2-inch nosepiece telescope-side adapter and T-thread camera-side adapter. Each can be removed and replaced.</i>
USB/Serial cable included?	YES	YES	
Ethernet port and cable included?	NO	YES	
Power supply	12VDC @ 1.25A	12VDC @ 1.25A	
Power Plug	2.5 x 5.5mm Center pin positive	2.5 x 5.5mm Center pin positive	
Field Upgradable Firmware	NO	YES	
Pyxis Universal Driver?	YES	YES	
ASCOM Compliant	YES	YES	
Cross-com (cross-platform driver)	YES	YES	
At-Az De-Rotation Capable?	YES	YES	<i>Requires Optec Alt-Az De-Rotation Server Software.</i>