

CGE™ Pro Series

*THE CGE PRO MOUNT
PROVIDES
A ROCK SOLID BASE
FOR THE
SCHMIDT-CASSEGRAIN
OPTICAL DESIGN*

CGE Pro 1400



NeXRemote



- Proven NexStar computer control technology
- 40,000 object database with 400 user-definable objects and expanded information on over 200 objects
- New All-Star™ Polar Alignment routine for both Northern and Southern Hemispheres
- Software Features include: Database filter limits, hibernate, five alignment methods and user-defined slew limits
- Flash upgradeable hand control software and motor control units for downloading product updates over the Internet
- Custom database lists of the most famous deep-sky objects by name and catalog number; the most beautiful double, triple and quadruple stars; variable stars; solar systems; objects and asterisms
- Permanent programmable periodic error correction (PEC) – corrects for periodic tracking errors inherent to all worm drives
- 12VDC Servo Motors with integrated optical encoders
- Drive Motors – High quality motors with seven slot skewed armature to minimize magnetic cogging for quiet operation and long life. Precision made cut-steel gears in gearbox for improved tracking precision
- Bearing and Shaft – Main shafts are made from 1.57"; diameter steel tubing with .40"; wall thickness with two preloaded 2.68"; O.D. tapered roller bearings on each axes
- Precision worm drive system – .75" pitch diameter precision made steel worm preloaded with two .87" OD ball bearings to minimize run-out (a source of periodic error). 255 tooth 6" pitch diameter precision made worm wheel with enveloping brass teeth
- Spring loaded DEC worm to minimize backlash and for easy guiding
- 4 point RA and DEC clutch system for no-slip pointing precision
- Autoguide port, PC port and auxiliary ports located on the electronic pier for long exposure astrophotography
- Rugged 9-pin thread on motor cables
- GPS-compatible with optional CN16 GPS Accessory (#93967)

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CGE PRO MOUNT



In addition to being fully computerized with a database of over 40,000 celestial objects, the CGE Pro German Equatorial mount has been completely redesigned to offer numerous design advantages.

ACCURACY

The hallmark of any telescope mount is its ability to find, center and track celestial objects with the highest degree of accuracy.

FINDING A STAR

With standard hand control alignment, CGE Pro has the ability to center a star in your eyepiece or ccd chip to within 5 arc minutes. Using NexStar's advanced pointing features such as Calibration Stars, Sync and Precise GoTo, further improves the pointing accuracy to as low as 1 arc minute in the desired region of the sky.

TRACKING A STAR

With larger .75" pitch diameter worm, precision made cut-steel gears in gearboxes, and seven slot skewed armature motors the CGE Pro delivers typical tracking performance of +/-9 arc seconds, which can be further reduced with the mounts permanent periodic error correction (PPEC).

INCREASED PAYLOAD CAPACITY

Able to hold the 14" telescope more securely as well as larger optical tubes with a maximum payload of 90lbs.

ALL-STAR POLAR ALIGNMENT

Choose any bright alignment star for a software assisted alignment of the mounts polar axis that will have you ready for imaging even if you can't see the North Star.

NO-TOOL POLAR ALIGNMENT

Larger hand knobs for both Altitude and Azimuth adjustments.

MERIDIAN TRACKING

Extended tracking past the Meridian of up to 20 degrees of uninterrupted imaging through the best part of the sky.

FASTER SLEW SPEED

Improved gearing and motors provide faster slew speeds than ever before with a maximum slew rate of over 5°/per second.

POWER MANAGEMENT

Redesigned electronics deliver constant regulated power to the motors capable of driving the telescope even when not perfectly balanced. This allows the CGE Pro to have the payload capacity of that of much larger (and expensive) mounts without sacrificing smooth tracking motion and pointing accuracy across the entire sky.

4 POINT CLUTCH SYSTEM



INCREASED PAYLOAD CAPACITY



9 PIN THREAD-ON MOTOR CABLES



Specifications

MODEL	ITEM#	FOCAL LENGTH	EYEPIECES	FINDER SCOPE	OPTICAL COATING	OPTICAL DESIGN	OPTICAL TUBE	TELESCOPE WEIGHT
CGE Pro 925	11086	2350 mm f/10	25 mm – 1.25" (94x)	6x30	Starbright XLT	9.25" Schmidt-Cassegrain	Aluminum	176 lbs
CGE Pro 1100	11087	2800 mm f/10	40 mm – 1.25" (70x)	9x50	Starbright XLT	11" Schmidt-Cassegrain	Aluminum	204 lbs
CGE Pro 1400	11088	3910 mm f/11	40 mm – 1.25" (98x)	9x50	Starbright XLT	14" Schmidt-Cassegrain	Aluminum	243 lbs
CGE Pro 1400 Fastar	11089	3910 mm f/11	40 mm – 1.25" (98x)	9x50	Starbright XLT	14" Schmidt-Cassegrain	Aluminum	243 lbs

For complete specifications and product information, visit: www.celestron.com

Product design and specifications are subject to change without prior notification.



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