

Offer for 1m Cassegrain equatorial mounted

(Specifications and design is appr. the same as with the 80cm telescope but secondary focusing)

Position	Short Description	Price EURO
1. 1m Telescope		
Optics	<ul style="list-style-type: none"> - Lomo Sitall optic - 1000 mm free diameter - 1020 mm mechanical diameter - primary focal ratio f/3 - uncorrected system focal ratio f/8 - 80% within 0.65 arc seconds in 15arcmin FOV (with 2-lens field corrector, 100mm diameter. - Al+SiO₂ coating - All refractive elements coated with an Multilayer-AR coating of R<0.5% for 400-700nm and R<1% for 400nm to 1100nm per surface - Back Focus 300mm from Telescope flange 	
Tube	<ul style="list-style-type: none"> - Truss Tube - Lasalle main mirror support - Computer controlled focusing by secondary mirror focusing - Main mirror cover computer controlled - Finder Scope with 150/750 achromatic lens, 5mm 15mm 25mm 40mm eyepieces, and 2" TeleVue diagonal 	
Mount	<ul style="list-style-type: none"> - Equatorial mount - high accuracy friction servo-drives - external Heidenhain-Encoders with <0.06" resolution - Servomotor Encoders with <0.08" resolution - 4 degree per second maximum slew rate in Azimut - 4 degree per second maximum slew rate in Altitude - Eigen frequency above 10 Hz 	

Telescope control system and software	<ul style="list-style-type: none"> - Industrial PC, English Win2K or Win XP, > 800 MHz with all necessarily PC cards, mouse and keyboard, Monitor for the TCS Autoslew - 32bit Win controll software Autoslew, pure English - Full vb-scripting via ActiveX possible for telescope, rotator, focus-switch and guide-camera - Pointing 10 arc seconds RMS (alt 20 – 90deg) - Tracking 0.2 arc seconds RMS in 10 seconds blind guiding - Tracking 0.6 arc seconds RMS in 5 minutes (blind guiding) - Software limit switch for rotation - Hardware limit switch for altitude (horizon limit, zenith limit) - Dome control (ASCII, RS232, to be defined together with customer) - Focusing, autofocus possible for supported cameras - Temperature compensation of the focus drift - large object database (NGC, IC; UGC, PK) - RA, DE input - Ability for tracking non-sidereal objects 	
	<ul style="list-style-type: none"> - ACL (Astronomical Command Language) for external remote control of the telescope, with RS232 or LAN - LCD-Hand-Box with integrated Micro-Controller - Automatic initialisation of the telescope - Remote controll possible via ACL-protocoll and RS232 	
2. f/4 Reducer	<ul style="list-style-type: none"> - 40mm field diameter - 4-lens corrector with CaF2-Element - 80% of energy in <20microns for d=40mm field 	
3. Installation	<ul style="list-style-type: none"> - Packaging, insurance - Includes shippment costs - Installation of telescope - system checks - polar alignment - costs without crane costs 	

Delivery time: 14.5 months until shippment

Payment details: 40% on order, 40% at shippment date, rest after installation and testing