

ASTRONOMICAL INSTRUMENTS PRICE LIST

Effective Date: March 15, 2024

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TELESCOPE FOCUSING SYSTEMS***FocusLynx Telescope Focus Controller Systems***

19690	FocusLynx dual-focuser Control Hub Focus controller capable of controlling two separate stepper driven focusers with Cat5 Ethernet, Wireless 802.11, and serial /USB computer input. Includes built-in step driver board for Focuser 1, universal power supply, and 7-ft. Cat-5e network cable.	\$350.00
19695	FocusLynx Hand Control with Fine Focus and Digital Read Out External Hand Control provides manual control and position digital read-out with Mode, IN/OUT buttons, and rotary knob for fine focus control. Includes 6-ft. and 25-ft. coiled handset cables.	\$145.00
19696	Fine Focus Knob upgrade for FocusLynx Hand Control. Requires return of Hand Controller to Optec. Contact sales@optecinc.com for details.	\$85.00
19696-FB	Fine Focus Knob upgrade for Focus Boss II Hand Control. Focus Boss II Hand Control requires additional machining operation to make room for the rotary encoder switch. Requires return of Hand Controller to Optec. Contact sales@optecinc.com for details.	\$100.00
19533	Focus Lynx step driver board for second focuser Add-on socketed stepper control driver board for addition of second focuser. Specify focuser to be added. Includes 7-ft. Cat-5e focuser control cable. Factory installation available.	\$40.00
19691	Universal mounting bracket for Focus Lynx Control Hub.	\$55.00
19539	Focus Lynx precision temperature probe kit. Includes splitter board, temperature probe, and 3-ft. motor cable for QuickSync focus motors.	\$125.00
19698	Converter for Robo-Focus motor, RJ45 to DB9. Allows control of Robo-Focus and Moonlite motors with the Focus Lynx system.	\$25.00
19699	Cable for original FeatherTouch/MicroTouch unipolar motor, 6-ft. length. RJ45 to RJ12, 8-pin to 6-pin cable for control of original Microtouch motors with RJ12 socket.	\$25.00
19755	Optec WiFi 802.11bg Wireless Network board. NEW! Second generation WiFi board with 802.11b/g connectivity to local wireless networks. Works with both FocusLynx and Gemini control boards.	\$225.00

2-inch Crayford Style Focusers

19700	TCF-Lynx, 2" Temperature Compensating Focuser with FocusLynx Controller. TCF-Lynx focuser with FocusLynx control system includes 2-inch Crayford style focuser, FocusLynx controller, 20-inch long temperature probe, 12VDC power supply, 7-ft. Cat-5e cable for FocusLynx to TCF-Lynx connection, and 6-ft. USB/Serial cable for PC connection. Order OPTEC-2400 Telescope Mount and optional 2-inch adapters separately. [OPTEC-2400 female dovetail // 2-inch I.D. female receiver]	\$925.00
19701	Model TCF-Lynx [NC]. 2" Temperature Compensating Focuser. TCF-Lynx 2-inch Crayford style focuser without controller. Configured for use with Focus Lynx Control Hub as second focuser. Includes 20-inch temperature probe and 7-ft. Cat-5e cable for connection to Focus Lynx Hub. Order telescope mount, Focus Lynx Controller Hub, and second Focus Lynx step driver board (#19533) separately. Also offered as #19700-NC [OPTEC-2400 female dovetail // 2-Inch I.D. female receiver]	\$650.00
19702	Model TCF-LSI, Integrated Temperature Compensating Focuser. Complete 2" TCF-LSI focuser with integrated FocusLynx compatible control circuit. Includes TCF-LSI focuser, temperature sensor probe with 20" cable, 12VDC power supply with cord, and 6-ft. USB/Serial cable. Order OPTEC-2400 telescope mount and optional 2-inch adapters separately. [OPTEC-2400 female dovetail // 2-Inch I.D. female receiver]	\$795.00

TCF Focuser Conversions and Upgrades

17725	Upgrade classic TCF-S or TCF-Si to TCF-LSI 2-inch focuser. Upgrade any 2-inch TCF focuser body to TCF-LSI focuser with FocusLynx driver compatibility. Requires return of focuser body for new bi-polar motor, and TCF-LSI internal circuit board. Works with existing cables, temperature probe, and power supply.	\$275.00
17726	Upgrade classic TCF-S3 or TCF-S3i to TCF-LSI 3-inch focuser. Upgrade any 3-inch TCF focuser body to TCF-LSI focuser with FocusLynx driver compatibility. Requires return of focuser body for new bi-polar motor, LSI circuit board holder, and TCF-LSI internal circuit board. Works with existing cables, temperature probe, and power supply.	\$295.00



3-inch Crayford Style Focusers

19705	Model TCF-LSI, 3" Integrated Temperature Compensating Focuser. Complete 3-inch TCF-LSI focuser with integrated FocusLynx compatible control circuit. Includes TCF-LSI focuser, temperature sensor probe with 20" cable, 12VDC power supply with cord, and 6-ft. USB/Serial cable. Order OPTEC-4300 telescope mount and optional 3-inch adapters separately. [OPTEC-4300 female dovetail // 3-Inch I.D. female receiver]	\$1,695.00
19706	TCF-Lynx3, 3" Temperature Compensating Focuser with FocusLynx Controller. TCF-Lynx3 focuser with FocusLynx control system includes 3-inch Crayford style focuser, FocusLynx controller, 20-inch long temperature probe, power supply, 7-ft. Cat-5e cable and 6-ft. USB/Serial cable for PC connection. Order OPTEC-4300 Telescope Mount separately. TCP/IP control through Ethernet wired or wireless network is optionally available. [OPTEC-4300 female dovetail //3-inch I.D. female receiver]	\$1,895.00
19707	TCF-Lynx3 [NC], 3" Temperature Compensating Focuser. TCF-Lynx3 focuser for use with FocusLynx control system. Includes 3-inch Crayford style focuser, 20-inch long temperature probe, power supply, 7-ft. Cat-5e cable for FocusLynx to TCF-Lynx3 connection. Order OPTEC-4300 Telescope Mount and FocusLynx Controller separately. Also offered as #19706-NC. [OPTEC-4300 female dovetail //3-inch I.D. female receiver]	\$1,595.00

Low-Profile Lead-Screw Focusers

19740	TCF-Leo Low-Profile Focuser Very low profile 3-inch focuser – only 1-1/4" thick with 0.35" (8.9mm) of drawtube travel. Includes FocusLynx control hub, power supply, cables, and 20-inch temperature probe. Specify OPTEC-3600 telescope-side mount and OPTEC-3000 3-inch drawtube camera-side mount separately. [OPTEC-3600 female receiver // OPTEC-3000 3-inch I.D. female receiver]	\$1,495.00
19740-DS	TCF-Leo Low-Profile Focuser with Optec-DSI 3.5" Receiver Drawtube Special variant of the TCF-Leo focuser with direct receiver drawtube for the Optec-DSI 3.5" spacer and adapter set.	\$1,495.00
19740-EH	TCF-Leo Extended Height Focuser. Variant of the TCF-Leo with taller drawtube to ensure optimal positioning at midpoint of travel. Drawtube is 6.4mm taller than standard TCF-Leo. Contact Optec Sales for details.	\$1,495.00
19740-SC	TCF-Leo with 3-inch Split-Clamp Mount drawtube for Wynne Correctors. Special variant of the TCF-Leo 3-inch focuser with a split-clamp drawtube to fit large Wynne Correctors. Allows for adjustments in spacing between corrector and primary mirror. Contact Optec for details.	\$1,495.00
19740-NC	TCF-Leo without FocusLynx control hub. Requires customer supplied FocusLynx or FocusBoss II control hub.	\$1,295.00
19741	Extended Height receiver drawtube for TCF-Leo Low-Profile Focuser. Optional Extended Height drawtube for TCF-Leo low-profile focuser. User installable replacement drawtube increases focuser back-focus range to 66.4 - 75.3mm.	\$125.00
19743	DSI 3.5" receiver drawtube for TCF-Leo Low-Profile Focuser. Easily installed drawtube replacement to accept any of the Optec-DSI 3.5" x 24tpi extension tubes.	\$125.00
19744	Split-Clamp drawtube for TCF-Leo Low-Profile Focuser. Optional Split-Clamp for TCF-Leo Low-profile focuser. Designed to hold heavy 3-inch Wynne Correctors and other 3-inch optics without marring.	\$150.00

Temperature Sensor and Remote Focuser Keypad Options

17565	TCF-S firmware update chip.	\$25.00
17560	Replacement temperature sensor probe for TCF / Gemini focusers. Standard length is 20-inches. Custom lengths up to 6-ft. available for an additional \$20.	\$50.00
17680	Remote IN/OUT Keypad for TCF-S, TCF-Lynx, TCF-Leo or Gemini. Red anodized aluminum hand paddle with IN and OUT pushbuttons works very well with any TCF model focuser including the new TCF-Lynx focusers. Plugs into temperature probe connector on the motor housing and allows for manual focusing. Connection is hot swappable. Standard cable length is 3 feet.	\$95.00



ADD-ON FOCUS MOTORS

Custom designed focus motors for a variety of manual dual-speed focusers are available with FocusLynx compatibility or with stand-alone ThirdLynx control systems. QuickSync motors replace both fine and coarse focus knobs on the right side of most manual focusers while DirectSync motors replace the coarse knob on the left side of the focuser. DirectSync motors provide a direct geared connection to the rack-and-pinion focus. Each DirectSync and QuickSync motor has been specially designed for perfect fit without belts or pulleys.

FocusLynx Dual-Focus Control Hub Compatible Motors

19765	QuickSync MEF motor for Takahashi MEF dual-speed focusers.	\$325.00
19765US	QuickSync MEF motor for silver knob US-made MEF Takahashi focusers.	\$325.00
19767	DirectSync FSQ130 motor for Takahashi FSQ-130ED with native dual-speed focuser. LIMITED STOCK	\$325.00
19768	QuickSync SV20 for older Stellarvue 2-inch focusers.	\$325.00
19770	QuickSync FT20R motor for FeatherTouch 2-inch Rack-and-Pinion focusers.	\$325.00
19771	QuickSync FT20 motor for FeatherTouch 2-inch focusers.	\$325.00
19772	QuickSync FT30 motor for FeatherTouch 2.5, 2.7 and 3-inch focusers.	\$325.00
19773	QuickSync FT40 motor for FeatherTouch 3.5-inch focusers.	\$325.00
19776	DirectSync APO motor assembly for many Apochromat refractors.	\$325.00
19777	DirectSync TEC motor for TEC Large Focuser for the APO140 and larger scopes.	\$325.00
19778	DirectSync SV motor for Stellarvue 2-1/2 and 3-inch focuser.	\$325.00
19780	DirectSync SV35 motor for Stellarvue 3-1/2-inch focuser.	\$325.00
19781	DirectSync AT25 motor for Astro-Tech, William Optics, TS Service, and other import focusers.	\$325.00
19782	DirectSync ES25 motor for Explore Scientific 2.5-inch hex focuser.	\$325.00
19788	DirectSync SW30 motor for SkyWatcher Esprit 100/120/150mm telescope focusers.	\$325.00

ThirdLynx Integrated Motors

ThirdLynx controllers are integrated directly into the motor endcap and provide USB connectivity to a control PC. 12VDC power is required and supplied with each motor. ThirdLynx functions similar to original FocusLynx with the same software drivers and controls. Contact [Optec Support](#) for focusers not listed.

19965	QuickSync TKX motor for Takahashi MEF dual-speed focusers.	\$525.00
19966	QuickSync SSX motor for SharpStar brand focusers.	\$525.00
19968	QuickSync SVX20 for older Stellarvue 2-inch focusers.	\$525.00
19970	QuickSync FTX20R motor for FeatherTouch 2-inch Rack-and-Pinion focusers.	\$525.00
19971	QuickSync FTX20 motor for FeatherTouch 2-inch focusers.	\$525.00
19972	QuickSync FTX30 motor for FeatherTouch 2.5, 2.7 and 3-inch focusers.	\$525.00
19973	QuickSync FTX40 motor for FeatherTouch 3.5-inch focusers.	\$525.00
19975	DirectSync ACFX motor assembly for Meade ACF f/8 built-in dual-speed focuser.	\$655.00
19976	DirectSync APX25 motor assembly for many Apochromat refractors.	\$525.00
19978	DirectSync SVX30 motor for Stellarvue 2-1/2 and 3-inch focuser.	\$525.00
19979	DirectSync SSX35 motor for large SharpStar brand focusers.	\$525.00
19980	DirectSync SVX35 motor for Stellarvue 3-1/2-inch focuser.	\$525.00
19981	DirectSync ATX25 motor for Astro-Tech, William Optics, TS Service, and other import focusers.	\$525.00
19982	DirectSync ESX25 motor for Explore Scientific 2.5-inch Hex focuser.	\$525.00
19983	DirectSync ESX30 motor for Explore Scientific 3-inch Hex focuser.	\$525.00
19986	DirectSync SWLX25 motor for SkyWatcher EvoLUX telescope focusers.	\$525.00
19988	DirectSync SWX30 motor for SkyWatcher Esprit 100/120/150mm telescope focusers.	\$525.00



COMBINATION FOCUSER / ROTATOR

19749	Hercules 76 Low-Profile Focusing Rotator NEW!! Hercules 3-inch Focusing Rotator provides both focus and rotation in a single device. Full 3-inch drawtube opening designed for large payload systems with limited back-focus. Overall thickness is 2.25" with 0.350" (8.9mm) of focuser drawtube travel. Order telescope side OPTEC-3600 mount and 3-inch (OPTEC-3000) camera side adapters separately. [OPTEC-3600 female dovetail // OPTEC-3000 female receiver drawtube]	\$2,495.00
19750	Gemini 96 Focusing Rotator Gemini Focusing Rotator provides both focus and rotation in a single device. Wide 3.75" opening designed for very large payload systems with limited back-focus. Overall thickness is 2.25" with 1/2" of focuser travel. Package includes Gemini controller, Hand Controller, power supply, cables and Pelican type case. Order OPTEC-4300 adapters for telescope and camera side connections. Stock item #19830 OPTEC-4300 to DSI 3.5x24tpi threaded adapter is now included for the camera side mount. See Optec-DSI 3.5x24tpi threaded extension section for spacer selections. [OPTEC-4300 female dovetail // OPTEC-4300 female dovetail (includes DSI 3.5 female adapter)]	\$3,595.00
19751	Gemini 120 Big-Bore Focusing Rotator Special variant of the Gemini Focusing Rotator with large 120mm opening. Re-designed thrust bearing allows even more light throughput and heavier loads than the original Gemini 96mm Focusing Rotator.	\$4,595.00
19752	Gemini Hand Controller with rotational encoder button Digital read-out, 3-button interface with rotary switch. Includes short and long coiled telephone handset cables. Now included with every new Gemini Focusing Rotator.	\$225.00
19752-FW	Firmware upgrade chip to latest version firmware for Gemini Hand Control.	\$35.00

SECONDARY MIRROR FOCUSERS*FastFOCUS Secondary Mirror Focusing Systems for Catadioptrics*

19711	C11 FastFOCUS Secondary Mirror Focusing System Stepper driven secondary focuser system for Celestron C1100 EdgeHD and other Fastar compatible C11 telescopes. Includes Focus Lynx controlling hub and Focus Lynx Hand Control below. Contact Optec for details.	\$1,595.00
19711-NC	C11 FastFocus Secondary Mirror Focuser without FocusLynx hub. Requires customer supplied FocusLynx or FocusBoss II control hub.	\$1,295.00
19714	C14 FastFOCUS Secondary Mirror Focusing System Stepper driven secondary focuser system for Celestron C1400 EdgeHD and other Fastar compatible C14 telescopes. Includes Focus Lynx controlling hub and Focus Lynx Hand Control below. Contact Optec for details.	\$1,595.00
19714-NC	C14 FastFocus Secondary Mirror Focuser without FocusLynx hub. Requires customer supplied FocusLynx or FocusBoss II control hub.	\$1,295.00
19721	Split-wiring kit for C11HD FastFocus	\$125.00
19724	Split-wiring kit for C14HD FastFocus	\$125.00

OFF-AXIS GUIDER SYSTEM*Large Off-Axis Guider for heavy camera packages and remote observatories.*

19340	Sagitta Off-Axis Guider with integrated stepper motor. Large 3-inch aperture off-axis guider with variable height pick-off prism stalk, smooth helical focuser and integrated focus motor. Includes #19871 male AP2.7 adapter and #19872 female AP2.7 adapter. Requires FocusLynx control hub. See OPTEC-3000-S adapter section for additional mounting options.	\$995.00
19342	Sagitta Off-Axis Guider, manual version without motor Large 3-inch aperture off-axis guider with variable height pick-off prism stalk and smooth helical focuser. Includes #19871 male AP2.7 adapter and #19872 female AP2.7 adapters pre-installed. See OPTEC-3000-S adapter section for additional mounting options.	\$695.00
19349	Add-on or replacement stepper motor assembly for Sagitta Off-Axis Guider.	\$375.00



CAMERA FIELD ROTATORS***Pyxis LE Camera Field Rotator***

- [19630](#) **Pyxis LE T-mount Camera Field Rotator.** \$695.00
 Ted Agos Signature Series camera rotator with integrated 2-inch nosepiece barrel and T-thread camera mount. Includes integrated 2-inch barrel for easy insertion into the Optec TCF-S or any 2-inch focuser, low profile main body, and male T-thread for direct attachment of any T-thread camera. Includes power supply, USB cable, and driver CD with ASCOM and stand-alone drivers. PC connection is required for operation. Original concept design by Ted Agos.
 [2-inch male barrel mount // male M42x0.75mm T-thread]
- [19631](#) **Pyxis LE Retainer Kit for f/6.3 SCT telecompressors and other 43mm optics.** \$95.00
 Special retaining set and spanner tool for insertion of Celestron, Meade, Antares, and other small telecompressor optics for integration into Pyxis LE nosepiece. (*LIMITED STOCK*)

Pyxis 2-inch Camera Field Rotator – LOWER PRICE! 3rd Generation with Ethernet

- 19645 **Pyxis 2-inch GEN 3 Camera Field Rotator.** \$995.00
 3rd Generation Pyxis 2-inch camera rotator attaches directly to most CCD camera using any of the Pyxis 2" camera mounts below. On the telescope side, the standard 2-inch nosepiece will push-fit directly into TCF-S or any 2-inch ID focuser. The Pyxis 2-inch Gen3 includes built-in serial and Ethernet ports for remote operations – no external hand control is required. Includes 12VDC power supply with cord, standard 2-inch nosepiece, T-thread camera mount, Ethernet cable, and 6-ft. Serial/USB cable. External control PC is required for operation.
 [OPTEC-2400 receiver with 2-inch barrel mount installed // OPTEC-2300 female dovetail with male M42x0.75mm T-thread]

Aquila 88 Camera Field Rotators

- 19748 **Aquila 88 4th Generation Camera Field Rotator with DSI 3.5" Female Threaded Receiver.** \$1,495.00
 NEW!! High Resolution Aquila 88 camera rotator is a massive unit for large telescopes and heavy instrument packages. The Aquila 88 is powered by a U.S. made internal stepper motor and includes built-in control electronics with USB-C and Cat-6 Ethernet connections. Includes 12VDC power supply and wall cord, 6-ft. USB-C cable, 7-ft. Cat-6 flat ethernet cable. Order appropriate OPTEC-3600 telescope mount separately. Optec-DSI 3.5" camera side extensions and adapters sold separately.
 A PC connection is required for operation of the Aquila 88 rotator. Less than 35mm thick.
 [OPTEC-3600 female dovetail // DSI3.5 female threaded rotating receiver]

INSTRUMENT SELECTOR / OPTICAL MANIFOLD

- 19605 **Perseus 4-Port Instrument Selector, GEN 3.** \$3,750.00
 Complete third generation motorized instrument selector system with four optical ports. Now includes Optec standard USB/Serial communication cable and integrated Ethernet connectivity. Perseus 4-Port Instrument Selector includes one 3-inch port with OPTEC-3600 male dovetail mount, three 2-inch ports with Parfocal rings including integral OPTEC-2300 receivers, covers for each port, 6-ft. USB/serial cable for remote control, and control software.
 Contact Optec for detailed telescope configuration, port recommendations, and formal quotation.
- 19606 **Perseus 4-port Instrument Selector with two 3-inch ports.** \$3,995.00
 New variant of the Perseus Instrument Selector with dual 3-inch ports and two 2-inch ports. Contact Optec for details.
- 19608 **OPTEC-3600 shipping and dust cover for Perseus and other OPTEC-3600 receivers.** \$75.00
- 19609 **3-piece replacement dust cover set for 2-inch ports.** \$125.00
- 19612 **2-inch Saddle with OPTEC-2400 dovetail mount, threaded for Parfocal mount (#19620 below).** \$75.00
- 19619 **Dust cover for OPTEC-3600 dovetail.** \$75.00
- 19620 **Parfocal mount with integral OPTEC-2300 dovetail receiver and locking retainer ring.** \$75.00
- 19626 **FeatherTouch FTF2020BRC focuser with mount for 2-inch Port 2, 3, or 4. (*LIMITED STOCK*)** \$725.00

LIBRA DOVETAIL MOUNTING SYSTEM

- [19230](#) **Libra Alt-Azimuth Adjusting Base.** \$525.00
 Heavy duty mounting platform for tandem and top-mounted OTA's. Manual altitude and azimuth controls with locking nuts. Very simple adjustment for co-aligning two telescope OTA's. Female to male Losmandy D-style dovetails.
- 19232 **Big Bubba Alt-Azimuth Adjusting Base.** \$995.00
 Extremely heavy duty alt-azimuth adjusting base with bolt-on interfaces for very heavy instrument payloads.



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All prices subject to change without notice.

INTELLIGENT FILTER WHEEL SYSTEMS***IFW Automated Filter Selector Systems***

19350	HSFW Intelligent Filter Selector System. Includes High Speed HSFW filter selector system with integrated stepper motor and circuit board with 12VDC power supply and USB A-B cable. Order OPTEC-2400 telescope mount, IFW mounting ring, filter wheels, and filters separately. [OPTEC-2400 female dovetail // OPTEC-2380 female thread]	\$925.00
19355	IFW-2 Intelligent Filter Selector System. Second Generation Intelligent Filter Wheel filter selector system with integrated stepper motor and circuit board. Includes 12VDC power supply and USB A-B cable. Optional Hand Controller can be purchased separately. Now provides same high speed as HSFW. Order OPTEC-2400 telescope mount, IFW mounting ring, filter wheels, and filters separately. [OPTEC-2400 female dovetail // OPTEC-2380 female thread]	\$1,250.00
19358	IFW-2 Hand Control Optional hand controller for IFW-2 allows manual filter selection without requiring an external computer.	\$225.00

Filter Wheel Carousels for IFW/HSFW 2" Filter Selector

17353	5-position Filter Wheel for 2" diameter filters with mounting tabs Tab and spacer kit #17584 is included.	\$250.00
17354	7-position Filter Wheel Carousel for 36mm diameter filters with mounting tabs. New filter wheel design allows installation of seven 36mm diameter filters for astronomical use.	\$250.00
17356	5-position Filter Wheel for 50mm diameter filters with mounting tabs Tab and spacer kit #17581 is included.	\$250.00
17357	8-position Filter Wheel, for 25.4mm filters with mounting tabs Tab and spacer kit #17580 is included.	\$275.00

Tab & Spacer Kits for IFW Filter Wheels

17580	Tab and Spacer Kit for Eight 25.4mm round filters Includes: 24 tabs, 8 spacers 0.75mm thk., 8 spacers 1.5mm thk. and 24 stainless 4-40 pan head screws.	\$25.00
17581	Tab and Spacer Kit for Five 50mm round filters Includes: 15 tabs, 5 spacers 0.75mm thk., 5 spacers 1.5mm thk. and 15 stainless 4-40 pan head screws.	\$25.00
17584	Tab and Spacer Kit for Five 2-inch round filters Includes: 15 tabs, 5 spacers 0.75mm thk., 5 spacers 1.5mm thk. and 15 stainless 4-40 pan head screws.	\$25.00

Optical Bench Mounts for IFW, HSFW, IFW-2, and Aquila 88

17582	Optical Bench Mount, Metric mounting plate kit.	\$55.00
17583	Optical Bench Mount, English mounting plate kit.	\$55.00

Camera Side Mounting Rings for IFW, HSFW, Pyxis 3" and IFW-2

17460	Universal Mounting Ring for MAXfield/WideField or any 2" barrel accessory. [OPTEC-2380 male thread // 2-inch female barrel mount]	\$65.00
17461	Mounting Ring for TCF-S focuser or any OPTEC-2400 receiver. [OPTEC-2380 male thread // OPTEC-2400 male dovetail]	\$65.00
17464	Mounting Ring with short SCT (2"x 24tpi) male thread. Intended for use with certain Apogee cameras.	\$65.00
17465	Mounting Ring with T-Mount (M42x0.75mm) male thread.	\$90.00
17466	Mounting Ring for C-mount cameras.	\$90.00
17467	Mounting Ring with long SCT (2"x 24tpi) male thread. Intended to fit Visual Back accessories.	\$90.00
17469	Blank OPTEC-2300 receiver Mounting Ring for IFW.	\$50.00
17765	Mounting Ring to male M65x1mm threaded interface.	\$60.00



TELECOMPRESSOR LENS SYSTEMS**NextGEN 2-inch Series Focal Reducer/Telecompressors**

17403	NextGEN MAXfield NGM 0.33X Telecompressor Lens Second generation MAXfield telecompressor design with 0.33X reduction. Complete redesign of Optec's premier f/3.3 reducer provides better color correction and a longer back-focus distance. Excellent choice for smaller sensors up to 11mm diagonal. (NOTE: Order NextGEN CCD camera mounting plate separately below.) [2-inch male barrel mount // OPTEC-2100 male dovetail]	\$350.00
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NextGEN 2" Camera Mounting Plates

	These mounting plates fit the male OPTEC-2100 dovetail (2.1" diameter) on the camera side of the NGM, NGW, and NGUW NextGEN telecompressor lens systems. The tube length (-X below in inches) for each mount is cut to match the proper back-focus for a particular camera/filter wheel combination. For the most current compatibility list, consult the Optec website.	
17392-X	T-thread mounting plate. 2" NextGEN Telecompressor to T-thread camera mounting plate. Select best camera mount from Optec website. [OPTEC-2100 female // T-thread 42x 0.75mm male thread]	\$75.00
17396-X	SCT-thread mounting plate. 2" NextGEN Telecompressor to SCT-thread camera mounting plate. Select best camera mount from Optec website. [OPTEC-2100 female // SCT 2-inch 24tpi male thread]	\$75.00
17398-X	SBIG STL / QSI 2.156"x24tpi threaded mounting plate. (LIMITED STOCK) New camera mounting plate for the 2.156"x24tpi thread mount allowing more light through than traditional SCT mounts. Used in some SBIG and QSI cameras. [OPTEC-2100 female // SBIG 2.156 x 24tpi male thread]	\$75.00
17399-X	C-thread mounting plate. 2" NextGEN Telecompressor to C-thread camera mounting plate. Select best camera mount from Optec website. [OPTEC-2100 female // C-thread 1-inch x 32tpi male thread]	\$75.00

Next Generation Corrector 2-inch Series

19472	NGC214 Reducer/Corrector for Classic Celestron C-14 SCT New corrector and reducer for the classic C-14. 2-inch optics fit into any 2-inch focuser. Optical back-focus distance of 75mm on-axis should be maintained for best performance. Camera side mount is 2.156" STL thread. Camera adapter sold separately. [2-inch male barrel mount // 2.156"x24tpi STL male thread]	\$325.00
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Camera Mounting Plates for NGC214

19473	Universal T-thread camera mount for NGC214 focal reducer. Works with any camera having a 55mm flange back-focus distance.	\$65.00
19492-X	Camera mounts to fit NGC214 and Lepus-STL telecompressor/focal reducers. STL threaded camera mount to T-thread. Specify camera mount length to match desired back-focus distance. [Female 2.156"x24tpi STL thread // Male M42x0.75mm T-thread]	\$75.00

2-inch Receiver for 2" Telecompressors

17401	2" SCT Receiver to accept NextGEN Telecompressors. 2" 24tpi female threads fit any standard SCT male threads and present a 2" I.D. port for accepting NGM, NGW, NGUW or any 2" eyepiece or push-fit accessory. [2" SCT thread female – 2-inch ID female]	\$65.00
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Lepus Telecompressor Series

19402	Lepus-SCT 0.62X Telecompressor Focal Reducer Lens 4-element telecompressor for use with well-corrected SCT designs including the Meade ACF optical tube assemblies. Special version with female SCT thread for direct attachment to the OTA and male SCT thread on the camera side. Includes Universal T-thread adapter for any 55mm back-focus camera. [Female 2"x24tpi SCT thread // M42 male T-thread w/ Universal T-adapter]	\$350.00
19405	Lepus-STL 0.62X Telecompressor Focal Reducer Lens (LIMITED STOCK) 4-element telecompressor for use with new well-corrected SCT designs including the Meade ACF optical tube assemblies. With a longer back-focus over 100mm, the Lepus 0.62X is capable of fully illuminating a 22mm diagonal CCD. Can be used with any filter wheel/camera combinations with room to spare and can also be used with DSLR cameras. [2-inch male barrel mount // QSI/STL 2.156"x 24tpi male thread]	\$250.00
19406	Lepus-ACF 0.62X Telecompress Focal Reducer Lens Special version Lepus telecompressor allowing direct attachment to Meade ACF rear-cell 2-inch SCT thread. Order Lepus camera mount separately below. [Meade 2-inch SCT female thread // OPTEC-2100 male dovetail]	\$250.00
19407	Lepus 0.62X Telecompressor Focal Reducer Lens	\$225.00
19409	Lepus HD Telecompressor - C8 EdgeHD edition Lepus 0.62X Telecompressor lens system mounted in 2"x24tpi threaded mount for direct attachment to Celestron 8" EdgeHD SCT. Close coupled mount provides optimal image quality by maintaining a minimum distance between EdgeHD corrector optics and Lepus telecompressor lens grouping. The back-focus distance is reduced to 100mm on-axis and maintained by a camera specific mount (order Lepus camera mount separately below). Contact Optec for cameras not listed. [Celestron 2"x24tpi female thread mount // OPTEC-2100 male dovetail]	\$250.00
19414	Lepus HD Telecompressor – C9.25, C11, C14 EdgeHD edition Lepus 0.62X Telecompressor lens system mounted in 3-1/4"x24tpi threaded mount for direct attachment to Celestron 1400 EdgeHD SCT. Two-piece mount includes lens holder and orange retaining ring. Close coupled mount provides optimal image quality by maintaining a minimum distance between EdgeHD corrector optics and Lepus telecompressor lens grouping. The back-focus distance is reduced to 100mm on-axis and maintained by a camera specific mount (order Lepus camera mount separately below). Contact Optec for cameras not listed. [Celestron 3-1/4"x24tpi female thread mount // OPTEC-2100 male dovetail]	\$295.00

Lepus Series Camera Mounting Plates

These mounting plates fit onto the male Optec-2100 dovetail (2.1" diameter) on the camera side of the Lepus telecompressor lens system. The tube length of each mount is cut to match the proper back-focus for a particular camera/filter wheel combination. The value of X below is the length of the tube in *millimeters*.

19382	Universal T-thread adapter for any 55mm back-focus camera.	\$55.00
19384	Universal M48 Camera Adapter for any 55mm back-focus camera with female M48x0.75mm.	\$55.00
19387	Universal M54 Camera Adapter for any 55mm back-focus camera with female M54 threads.	\$55.00
19392-X	T-thread mounting plate. 2" NextGEN Telecompressor to T-thread camera mounting plate. Select best camera mount from Optec website. [OPTEC-2100 female // T-thread 42x 0.75mm male thread]	\$75.00
19394-X	M48 x 0.75mm mounting plate. 2" NextGEN Telecompressor to SCT-thread camera mounting plate. Select best camera mount from Optec website. [OPTEC-2100 female // M48 x 0.75mm filter thread]	\$75.00
19396-X	SCT-thread mounting plate. 2" NextGEN Telecompressor to SCT-thread camera mounting plate. Select best camera mount from Optec website. [OPTEC-2100 female // SCT 2-inch 24tpi male thread]	\$75.00
19397-X	M54 x 0.75mm mounting plate.	\$75.00
19398-X	SBIG STL /QSI 2.156 x 24tpi threaded mounting plate. (LIMITED STOCK) 2" NextGEN Telecompressor to SCT-thread camera mounting plate. Select best camera mount from Optec website. [OPTEC-2100 female // SBIG 2.156 X 24tpi male thread]	\$75.00
19399-X	C-thread mounting plate. 2" NextGEN Telecompressor to C-thread camera mounting plate. Select best camera mount from Optec website. [OPTEC-2100 female // C-thread 1-inch 32tpi male thread]	\$75.00
19492-X	STL Threaded mounting plate for T-thread cameras. (LIMITED STOCK) Camera Mounting Plate for NGC214 and Lepus-STL telecompressors. Specify camera for best mounting plate length. [2.156"x24tpi female thread // M42x1mm male T-thread]	\$75.00
19494	Retainer with OPTEC-3600 mounting dovetail	75.00



VLC - Variable Length Camera Adapters for NextGEN, NGC, and Lepus Telecompressors

19390	Variable T-thread Adapter for NextGEN and Lepus telecompressors. New variable length camera adapter fits OPTEC-2100 2.1" dovetail of the NextGEN and Lepus telecompressor and presents a male T-thread for camera attachment. Back-focus distance is variable from 25mm to 42mm with precision engraved scale and lock nut. [OPTEC-2100 female // T-thread 42x 0.75mm male thread]	\$95.00
19393	Variable STL-thread Adapter for NextGEN and Lepus telecompressors. (LIMITED STOCK) New variable length camera adapter fits OPTEC-2100 2.1" dovetail of the NextGEN and Lepus telecompressor and presents a male STL-thread for camera attachment. Back-focus distance is variable from 25mm to 42mm with precision engraved scale and lock nut. [OPTEC-2100 female // STL-thread 2.156"x24tpi male thread]	\$95.00
19495	Variable T-thread Adapter for NGC214 telecompressor. New variable length camera adapter fits male STL thread of the NGC214 telecompressor and presents a male T-thread for camera attachment. Back-focus distance is variable from 25mm to 42mm with precision engraved scale and lock nut. [STL 2.156"x24tpi female // T-thread 42x 0.75mm male thread]	\$95.00
19497	Variable STL-thread Adapter for NGC214 telecompressor. (LIMITED STOCK) New variable length camera adapter fits male STL thread of the NGC214 telecompressor and presents a male STL-thread for camera attachment. Back-focus distance is variable from 25mm to 42mm with precision engraved scale and lock nut. [STL 2.156"x24tpi female // STL 2.156"x24tpi male thread]	\$95.00

ELECTRO-LUMINESCENT FLAT FIELD DEVICES**Field Fielding CCD Calibration Panels from Alnitak AstroSystems**

IMPROVED! New Flip-Flat 270 versions allow a full 270-degree rotation of the lamp. The fully open position allows lamp to rest against the OTA. Based upon design improvements by Christ White of Overcast Observatory.

19053	Alnitak Flip-Flat 270 flat fielder and dust cover for 4" to 7-5/8" OTA.	\$575.00
19054	Alnitak Flip-Flat 270+ flat fielder and dust cover for OTA with dew shields up to 8-1/8" diameter. Note: Alnitak Flip-Flat fully illuminated lamp diameter is 6.7" (170mm) for both models above.	\$595.00
19058	Alnitak Flat-Man L flat fielder for OTA up to 14" diameter. Alnitak Flat-Man L has a fully illuminated lamp of 13" diameter and is recommended for telescopes with objectives up to 12.5".	\$625.00
19091	Tripod and wall mounting bracket for Flat-Man L flat fielder. Includes mountable angle bracket machined to fit the Flat-Man L with 1/4"-20 thread for most tripods. Black anodized.	\$75.00
19071	Alnitak XL-2 large flat-fielder, 18" x 18" for OTA's up to 17-inch diameter.	\$1,695.00
19072	Alnitak XL-2 large flat-fielder, 24" x 24"	\$1,995.00
19073	Alnitak XL-2 large flat-fielder, 30" x 30"	\$2,895.00
19082	Alnitak XL18 VESA mounting kit for television wall mounts.	\$75.00
19084	Alnitak XL24 VESA mounting kit for television wall mounts.	\$80.00
19085	Alnitak XL30 VESA mounting kit for television wall mounts.	\$85.00
19516	Replacement Alnitak XL-2 Lamp Cable.	\$75.00
19518	Replacement Alnitak XL-2 Communications Cable.	\$65.00

Alnitak Bahtinov Mask and Remote Dust Cover

19070	Flip-Mask 270 with Bahtinov mask. Specify OTA size for Bahtinov mask. Includes motorized arm, mask, USB cable, mounting straps, and control software.	\$550.00
19075	Remote Dust Cover 270. Includes lightweight polypro dust cover, motorized arm, mounting straps, USB cable and control software. Some limitations to cover size and telescope orientation may apply. Specify OTA nominal and desired dust cover outer diameter when ordering.	\$425.00



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All prices subject to change without notice.

TELESCOPE ADAPTERS**OPTEC-2400 Dovetail Mounts****Telescope Adapter to OPTEC-2400 Male**

These telescope mounts fit various scopes and present the Optec-2400 Dovetail Mount (2.4" diameter) for attaching the original 2-inch IFW Filter Selector or TCF-S Focuser.

17416	Universal OPTEC-2400 mount.	\$75.00
17417	PlaneWave CDK 12.5 mount to OPTEC-2400 dovetail adapter.	\$95.00
17418	PlaneWave CDK 14/17/20/24" mount to OPTEC-2400 dovetail adapter.	\$95.00
17419	Female AP2.7 thread to OPTEC-2400 dovetail adapter.	\$75.00
	Fits male Astro-Physics 2.7" thread – see AP 2.7 x 24tpi Threaded Adapters and Extensions below.	
17451	Takahashi 63mm Sky 90 Mount to OPTEC-2400 dovetail adapter.	\$85.00
	This mount fits the Takahashi Sky 90 telescope drawtube with TKP35001 coupling removed.	
17651	Takahashi 72mm Mount to OPTEC-2400.	\$85.00
	This mount fits the Takahashi M72x1mm Male thread on certain Mewlon telescopes – see website for details.	
17652	TeleVue 3" male threaded mount for NP101 to OPTEC-2400 dovetail adapter.	\$95.00
17453	Takahashi 72mm Mount to OPTEC-2400 dovetail adapter.	\$95.00
	This mount fits the Takahashi M72x1mm female thread on many Takahashi telescopes – see website for details.	
17454	Meade/Celestron Mount for 2" Rear Cell Thread, Meade/Celestron 8", Celestron 9.25" telescopes	\$75.00
17455	Meade Telescope Mount for 3" Rear Cell Thread, Meade 10", 12" and 14" telescopes.	\$95.00
17456	Meade Telescope Mount for 4" Rear Cell Thread, Meade 16" telescopes.	\$125.00
17457	Celestron Telescope Mount for 3" Rear Cell Thread, Celestron C-11/C-14 telescopes.	\$95.00
17458	AstroPhysics 2.7" male threaded mount to OPTEC-2400 dovetail.	\$85.00
17459	2" Barrel Mount (male) to OPTEC-2400 dovetail.	\$75.00
17653	½" Extender for OPTEC-2400 dovetail mounts, female to male.	\$70.00
17655	1" Extender for OPTEC-2400 dovetail mounts, female to male.	\$75.00
17656	Takahashi FS-78 mount, fits the 2.2-inch thread directly to OPTEC-2400 dovetail adapter.	\$75.00
19650	T-thread receiver to OPTEC-2400 mount.	\$50.00
	This adapter features a female T-thread (M42x0.75mm) for inserting a male T-thread lens in front of the IFW.	
19652	C-thread receiver to OPTEC-2400 mount.	\$50.00
	This adapter features a female C-thread for inserting a male C-mount lens in front of the IFW.	
19658	M82 x 1mm to OPTEC-2400 mount.	\$75.00
19659	SkyWatcher M74 x 1mm thread to OPTEC-2400 mount.	\$75.00
19661	Vixen VMC260 to OPTEC-2400 mount.	\$75.00
19662	Televue NP101is to OPTEC-2400 mount.	\$75.00
19663	M90 x 1mm to OPTEC-2400 mount for AT6RC and AT8RC.	\$75.00
19665	M117 x 1mm to OPTEC-2400 mount for AT10RC .	\$95.00
19666	Stellarvue thread to OPTEC-2400 dovetail mount.	\$75.00
19667	Intes MCT-180/MK-69 to OPTEC-2400 mount.	\$75.00
19668	William Optics WO98FLT to OPTEC-2400 mount.	\$75.00

OPTEC-2400 Female Dovetail Receiver Adapters

These female adapters receive the OPTEC-2400 male dovetail mounts for special situations and conversions.

17658	AstroPhysics 2.7" female threaded mount to OPTEC-2400 dovetail.	\$85.00
17659	Standard mountable receiver, OPTEC-2400 female receiver.	\$85.00



OPTEC-3600 Dovetail Mounts**Telescope Adapter to OPTEC-3600 Male**

These telescope mounts fit various scopes for any device with an OPTEC-3600 dovetail receiver.
(includes the TCF-S3, IFW-3, Pyxis-3", Perseus 4-port instrument selector)

17798	OPTEC-3600 dovetail extension, 12.5mm length.	\$85.00
17799	OPTEC-3600 dovetail extension, 25mm length.	\$95.00
17800	Standard mount blank, OPTEC-3600 male dovetail. Plate can be drilled and machined.	\$100.00
17801	Meade16" LX200 Telescope Mount for 4" Rear Cell Thread to OPTEC-3600 dovetail adapter.	\$100.00
17802	Meade Telescope Mount for 3" Rear Cell Thread to OPTEC-3600 dovetail adapter.	\$100.00
17803	Celestron Telescope Mount for 3" Rear Cell Thread to OPTEC-3600 dovetail adapter.	\$100.00
17808	AstroPhysics 2.7" mount to OPTEC-3600 adapter. IMPROVED! Now only uses 1/10" back focus.	\$100.00
17809	Takahashi 2.8" (72mm) mount to OPTEC-3600 dovetail adapter.	\$100.00
	Mounts to FS-102/128/152 with TKP27113 89mm adapter ring, TOA-130/150 with TKP31003 coupling(W) and Mewlon 300.	\$100.00
17810	AstroPhysics 4.87-inch threaded mount to OPTEC-3600 dovetail adapter.	\$100.00
17812	Starlight 3.5 inch focuser model 3545 mount to OPTEC-3600 dovetail adapter.	\$100.00
17814	TMB 4.3-inch thread mount to OPTEC-3600 dovetail adapter.	\$100.00
17815	AstroPhysics 4.3-inch I.D. mount to OPTEC-3600. IMPROVED! Now only uses 1/10" back focus.	\$100.00
17817	PlaneWave CDK 12.5 mount to OPTEC-3600 dovetail adapter.	\$100.00
17818	PlaneWave CDK 14/17/20/24" Pinch-Plate mount to OPTEC-3600 dovetail adapter.	\$100.00
17819	Vixen VMC260 telescope mount to OPTEC-3600 dovetail adapter.	\$100.00
17820	FLI PDF 4-inch V-groove to OPTEC-3600 dovetail adapter.	\$100.00
17821	VSI SideWinder 2.9-inch dovetail mount to OPTEC-3600 dovetail adapter.	\$100.00
17822	Ceravolo CDK 5-inch mount to OPTEC-3600 dovetail adapter.	\$100.00
17823	RC Optical 4.75" x 24tpi threaded mount to OPTEC-3600 dovetail adapter.	\$100.00
17824	Meade RCX 3-inch threaded mount to OPTEC-3600 dovetail adapter.	\$100.00
17825	Takahashi 89mm threaded mount to OPTEC-3600 dovetail adapter.	\$100.00
17826	PlaneWave 12.5" SecureFit to OPTEC-3600 dovetail adapter.	\$100.00
17827	PlaneWave 12.5" Low Profile to OPTEC-3600 dovetail adapter.	\$100.00
17828	PlaneWave 14/17/20/24" Low Profile to OPTEC-3600 dovetail adapter.	\$100.00
17829	Meade / Celestron 2" 24tpi thread (SCT thread) to OPTEC-3600 dovetail adapter.	\$100.00
19801	M90x1mm thread to OPTEC-3600 dovetail adapter.	\$100.00
19802	DSI 3.5x24tpi (male) thread to OPTEC-3600 dovetail adapter.	\$100.00
19803	OGS 12.5-inch to OPTEC-3600 dovetail adapter.	\$100.00
19804	M117x1mm thread to OPTEC-3600 dovetail adapter.	\$100.00
19805	FLI Atlas zero-tilt adapter to OPTEC-3600 dovetail adapter.	\$100.00
19806	Takahashi M92x1mm to OPTEC-3600 dovetail adapter.	\$100.00
19807	Takahashi M98x1mm to OPTEC-3600 dovetail adapter.	\$100.00
19808	Takahashi M114x1mm to OPTEC-3600 dovetail adapter.	\$100.00
19809	Takahashi M125x1mm to OPTEC-3600 dovetail adapter.	\$100.00
19810	RCOS FIA100 to OPTEC-3600 dovetail adapter.	\$100.00
19811	NP127is to OPTEC-3600 dovetail adapter.	\$100.00
19812	Takahashi M82 x 1mm thread to OPTEC-3600 dovetail adapter.	\$100.00
19813	Takahashi Epsilon M108 x 1mm thread to OPTEC-3600 dovetail adapter.	\$100.00
19814	Takahashi Epsilon 130 replacement saddle mount to OPTEC-3600 for TCF-Leo focuser.	\$325.00
19815	Planewave Secure-Fit spacer to OPTEC-3600 male dovetail mount.	\$100.00
19816	Takahashi Epsilon 160 replacement saddle mount to OPTEC-3600 for TCF-Leo focuser.	\$375.00
19817	Takahashi Epsilon 160 replacement saddle mount to OPTEC-3600 for Hercules rotating focuser.	\$375.00
19818	ASA 12N to OPTEC-3600 dovetail adapter.	\$100.00
19819	Takahashi Epsilon 130 replacement saddle mount to OPTEC-3600 for Hercules rotating focuser.	\$375.00



OPTEC-3600 Female Dovetail Receiver Adapters

These female adapters receive the OPTEC-3600 male dovetail mounts for special situations and conversions.

17858	OPTEC-3600 dovetail to AstroPhysics 2.7" female threaded adapter.	\$115.00
	Adapts any OPTEC-3600 male dovetail mount to the AstroPhysics 2.7" female thread.	
17879	Standard mountable receiver, OPTEC-3600 female receiver.	\$115.00
	Includes 4 bolt patterns or can be drilled as necessary to adapter many devices to OPTEC-3600 dovetail.	
17880	OPTEC-3600 dovetail receiver to female 3-inch receiver (fits Perseus Port 1).	\$95.00

OPTEC-4300 4.3-inch Dovetail Mount and Camera Adapters

17870	OPTEC-3600 expansion adapter to OPTEC-4300 standard dovetail.	\$65.00
	Expansion collar allows use of any standard OPTEC-3600 male dovetail mount to fit the Gemini or TCF-S3 Low-Profile focusers.	
19827	OPTEC-4300 dovetail mount to Takahashi Epsilon-160 field corrector mount, M60x1mm.	\$195.00
19828	Replacement saddle plate for Takahashi Epsilon-160 to OPTEC-4300.	\$325.00
19829	OPTEC-4300 extension adapter, 12.5mm length.	\$100.00
	Short extension tube, female to male OPTEC-4300 dovetail adapter.	
19830	Male OPTEC-4300 to Optec-DSI 3.5x24tpi female threaded receiver.	\$135.00
	Male OPTEC-4300 dovetail mount reduces to female DSI 3.5" threaded mount. Designed for use with the Gemini Focusing Rotator on the camera side to accept any Optec-DSI spacer combination.	
19831	Male Optec-DSI 3.5x24tpi thread adapter to OPTEC-4300 standard dovetail.	\$135.00
	Male DSI 3.5 adapter can be used as a telescope side adapter for the Gemini Focusing Rotator. Optec-DSI spacers can be use between the OTA and Gemini with suitable telescope to Optec-DSI adapter below.	
19832	Female OPTEC-4300 to female Optec-DSI 3.5x24tpi threaded receiver.	\$135.00
19833	Male OPTEC-4300 to 3-inch receiver for OPTEC-3000 drawtube adapters.	\$135.00
19834	Male OPTEC-4300 to Astro-Physics AP2.7 female threaded receiver.	\$135.00
19835	Meade 16-inch to OPTEC-4300 male dovetail mount.	\$135.00
19836	Meade 10", 12", 14" OTA with 3-1/4" thread to OPTEC-4300 male dovetail mount.	\$135.00
19837	AstroPhysics Riccardi-Honders Astrograph to OPTEC-4300 male dovetail mount.	\$135.00
19838	Celestron C11/C14 large 3.25" thread to OPTEC-4300 male dovetail mount.	\$135.00
19839	OPTEC-4300 extension adapter, 25mm length.	\$135.00
	Recommended spacer between telescope and Gemini for Celestron EdgeHD and other OTAs.	
19840	Ceravolo CDK to OPTEC-4300 male dovetail mount.	\$135.00
19841	M117x1mm to OPTEC-4300 male dovetail mount.	\$135.00
19842	PlaneWave focuser lock ring (pinch plate) mount to OPTEC-4300 male dovetail mount.	\$135.00
19843	Takahashi Epsilon 180 to OPTEC-4300 male dovetail mount.	\$135.00
	Fits Epsilon 180 male M108 thread under captains wheel to allow direct replacement of native focuser with Gemini focusing rotator. Order with #19844 for complete focuser replacement solution.	
19844	OPTEC-4300 male dovetail mount to Takahashi Epsilon reducer / corrector lens.	\$135.00
	New Design with adjustable receiver for Epsilon-180 fits directly into Gemini drawtube receiver while accepting E180 flattener / corrector lens. Adjustable to set proper spacing of corrector to primary. The Takahashi corrector design back-focus distance to image plane is maintained. Order with #19843 above for complete solution.	
19845	OPTEC-4300 male dovetail mount to male OPTEC-3600 mount.	\$135.00
19846	OPTEC-4300 to internal 3-inch clamp.	\$165.00
	OPTEC-4300 to internal 3-inch clamp to allows tight fit of Paracorr, Wynne Correctors, and other 3-inch optics for the Gemini Focusing Rotator. Adjustable placement of lens inside Gemini drawtube allows ideal spacing of corrector / flattener optics to primary mirror.	
19847	PlaneWave Secure-Fit adapter to OPTEC-4300 male dovetail mount.	\$135.00

For additional Gemini camera side adapters, see also [Optec-DSI 3.5 x 24tpi Threaded Adapters](#).



CAMERA SIDE ADAPTERS**2-inch Drawtube Adapters for TCF 2-inch Focusers. Also known as nosepiece adapters.**

17662	2-inch to 1¼" adapter fits directly into the 2" TCF focuser.	\$55.00
17663	2-inch to 1¼" compression adapter fits directly into the 2" TCF focuser. Includes quick-release locking ring and brass compression ring for 1¼" eyepieces. Non-marring!	\$85.00
17664	2-inch to T-thread adapter fits directly into the 2" TCF focuser. [2-inch male barrel mount // T-thread 42x0.75mm male thread]	\$55.00
17665	2-inch to SCT thread (2" diameter) adapter, fits directly into the 2" TCF focuser. [2-inch male barrel mount // SCT 2" x 24tpi male thread]	\$55.00
17666	2-inch to 3"x 24 tpi male threaded mount. Fits Apogee, SBIG and some FLI 3" x 24tpi camera face threads.	\$95.00
17667	2-inch to STL 2.156"x 24 tpi male threaded mount. (LIMITED STOCK)	\$55.00

OPTEC-2300 Dovetail Adapters

Each camera side adapter has a male OPTEC-2300 dovetail to fit the rear OPTEC-2300 receiver on the #17469 IFW OPTEC-2300 Receiver, Pyxis 2", or the #19620 Perseus parfocal receiver.

17633	OPTEC-2300 mount for M48x0.75mm threaded interface.	\$75.00
17637	2-inch to OPTEC-2300 dovetail expansion collar. Allows any 2-inch nosepiece to attach inside Pyxis 2" GEN3 rotator. Especially designed for Baader MPCC corrector.	\$35.00
17643	OPTEC-2300 QSI camera mount. (LIMITED STOCK) [OPTEC-2300 male dovetail // QSI 4-bolt pattern]	\$75.00
17644	OPTEC-2300 STL camera mount. (LIMITED STOCK) [OPTEC-2300 male dovetail // SBIG STL 4-bolt hole mount]	\$75.00
17646	OPTEC-2300 T-thread camera mount. [OPTEC-2300 male dovetail // T-thread 42x0.75 mm male thread]	\$75.00
17647	OPTEC-2300 to M54x0.75mm adapter.	\$75.00
17648	OPTEC-2300 to SCT short threaded camera mount. Short threaded mount is intended to fit Apogee and similar cameras with the SCT 2-inch x 24 TPI thread [OPTEC-2300 male dovetail // 2-inch 24tpi SCT male thread]	\$75.00
17657	OPTEC-2300 to SCT long threaded mount Long threaded mount will fit the standard Meade/Celestron visual back, AO-7 and f/6.3 reducer. [OPTEC-2300 male dovetail // 2-inch 24tpi SCT male thread]	\$75.00
17649	OPTEC-2300 to C-thread camera mount. [OPTEC-2300 male dovetail // C-mount 1-inch male thread]	\$75.00
17650	OPTEC-2300 to STL 2.156"x 24tpi male thread. (LIMITED STOCK) [OPTEC-2300 male dovetail // SBIG STL / QSI 2.156" x 24tpi male thread]	\$75.00
17654	Extender tube, 16mm length (OPTEC-2300 male dovetail to OPTEC-2300 female receiver). The extender tube moves the camera away from the Pyxis by 16 mm. Mounts between the camera adapter and Pyxis. This is sometimes needed if some member of the camera or camera filter wheel obstructs the Pyxis during rotation. In order for the CFW-8/9 filter wheel from SBIG to be used, this adapter must be added to the T-thread camera mount stock number 17646.	\$55.00



OPTEC-3000-S Short 3-inch Drawtube Adapters for Sagitta Off-Axis Guider

17849	OPTEC-3000 standard dovetail to OPTEC-3000-S short male dovetail adapter.	\$95.00
19871	AP 2.7-inch male threaded adapter to OPTEC-3000-S short dovetail. Included with Sagitta Off-Axis Guider.	\$95.00
19872	OPTEC-3000-S short dovetail adapter to female AP 2.7-inch threaded interface. Included with Sagitta Off-Axis Guider.	\$95.00
19949	Planewave SecureFit to OPTEC-3000-S short dovetail.	\$125.00
19950	OPTEC-3000-S short dovetail to male T-thread - M42 x 0.75mm thread.	\$95.00
19951	OPTEC-3000-S short dovetail to M54 x 0.75mm male thread.	\$95.00
19952	OPTEC-3000-S short dovetail to 2" x 24tpi threaded adapter.	\$95.00
19953	OPTEC-3000-S short dovetail to 3" x 24tpi threaded adapter for many cameras.	\$95.00
19954	OPTEC-3000-S short dovetail to FLI ZTA dovetail for Centerline Filter Wheel.	\$95.00
19955	OPTEC-3000-S short dovetail to FLI M92 x 1mm thread adapter.	\$95.00
19956	OPTEC-3000-S short dovetail to M72x1mm male thread.	\$95.00
19957	OPTEC-3000-S short dovetail to M68x1mm male thread.	\$95.00
19958	OPTEC-3000-S short dovetail to female M48x0.75mm thread.	\$95.00
19959	OPTEC-3000-S short dovetail to male M48x0.75mm thread.	\$95.00

OPTEC-3000 3-inch Drawtube Adapters for TCF-3, TCF-Leo, Pyxis-3, and IFW-3

17804	OPTEC-3000 3-inch to 2" reducer bushing with removable compression ring. Adapter with three setscrews and brass compression ring for any 2-inch drawtube adapter, eyepiece or diagonal.	\$100.00
17805	OPTEC-3000 3-inch to OPTEC-2400 male dovetail.	\$95.00
17806	OPTEC-3000 3-inch to STL camera mount.	\$95.00
17807	OPTEC-3000 3-inch to AstroPhysics 2.7" (AP2.7) female threaded mount.	\$95.00
17811	OPTEC-3000 3-inch to OPTEC-3600 mount.	\$95.00
17813	OPTEC-3000 3-inch to Starlight Instruments 4.1x24tpi threaded mount.	\$95.00
17816	OPTEC-3000 3-inch to 3-inch Extender tube Extends focusing range from 1.0 to 3.1 inches. Can be easily cut to length while maintaining exceptional rigidity.	\$100.00
17831	OPTEC-3000 3-inch to FLI PDF 3-3/4" threaded mount.	\$95.00
17832	OPTEC-3000 3-inch to 3.000" 24tpi threaded mount.	\$95.00
17834	OPTEC-3000 3-inch to Takahashi 72mm female thread	\$95.00
17835	OPTEC-3000 3-inch to PlaneWave SecureFit CCD Spacer.	\$95.00
17836	OPTEC-3000 3-inch to Meade 3-1/4" SCT thread.	\$95.00
17837	OPTEC-3000 3-inch to Celestron 3-1/4" SCT thread.	\$95.00
17838	OPTEC-3000 3-inch to AstroPhysics 2.7" male thread.	\$95.00
17839	OPTEC-3000 3-inch to FLI Atlas focuser Zero-Tilt Adapter.	\$95.00
17840	OPTEC-3000 3-inch to Takahashi M98x1mm male thread.	\$95.00
17841	OPTEC-3000 3-inch to STXL 4-bolt adapter.	\$145.00
17842	OPTEC-3000 3-inch to SCT 2"x 24tpi male thread adapter.	\$95.00
17843	OPTEC-3000 3-inch to STL 2.156"x 24tpi male thread adapter.	\$95.00
17844	OPTEC-3000 3-inch to T-thread M42x0.75mm male thread adapter.	\$95.00
17845	OPTEC-3000 3-inch to Innovation Foresight ONAG XM On-Axis Guider.	\$95.00
17846	OPTEC-3000 3-inch to M82 x 1mm female thread adapter.	\$95.00
17847	OPTEC-3000 3-inch to M54 x 0.75mm male thread adapter.	\$95.00
17848	OPTEC-3000 3-inch to M68 x 0.75mm female thread adapter. Special adapter for TCF-Leo accepts Takahashi Epsilon 180 Field Flatteners with correct spacing to primary mirror.	\$95.00
19825	OPTEC-3000 3-inch to 2-inch Centering Collet Precision Centering Adapter	\$145.00
17849	OPTEC-3000 3-inch to OPTEC-3000-S short dovetail adapter for Sagitta.	\$95.00
17850	OPTEC-3000 3-inch to M48 x 0.75mm male thread adapter.	\$95.00



COMBINATION CAMERA/TELESCOPE ADAPTERS***OPTEC-2100 Adapters and Accessories for NextGEN, Lepus, and original Pyxis 2" Rotator.***

SPECIAL NOTE: The OPTEC-2100 dovetail spec allows direct connection of the NextGEN and Lepus telecompressors to fit the original Pyxis 2" camera rotator. The new Pyxis 2-inch GEN 3 model uses the standard OPTEC-2400 dovetail mounts instead. Optec will continue to supply these adapters for original Pyxis 2" rotator owners as long as items below are requested.

17631	OPTEC-2400 female receiver to OPTEC-2100 male dovetail.	\$55.00
17632	OPTEC-2100 to OPTEC-2400 expansion ring.	\$35.00
17634	OPTEC-2100 receiver to ONAG XT/XM dovetail mount. Allows direct connection of Lepus telecompressor to Innovation Foresight On-Axis Guider.	\$65.00
17635	OPTEC-2100 receiver to Celestron OAG dovetail mount for DSLR. Allows direct connection of Lepus telecompressor to Celestron OAG while maintaining standard 55mm back-focus for DSLR.	\$65.00
17636	OPTEC-2100 receiver to Celestron OAG dovetail mount – Low Profile. Lowest profile mount for direct connection of Lepus telecompressor to Celestron OAG.	\$65.00
17638	AP2.7 male thread to Pyxis telescope side adapter.	\$75.00
17639	2" x 24tpi SCT thread to Pyxis adapter. Adapter to allow direct connection of the Pyxis 2-inch rotator to the SCT male thread available on many SCT telescopes. Allows closest connection of the Pyxis 2-inch to SCT telescope. [Female SCT thread // OPTEC-2100 male dovetail]	\$65.00
17641	T-thread to Pyxis adapter. Adapter with female T-thread to fit existing male M42x0.75mm T-thread directly to Pyxis 2-inch using the OPTEC-2100 connection. [Female T-thread // OPTEC-2100 male dovetail]	\$55.00
17642	Pyxis 2-inch nosepiece replacement. (LIMITED STOCK) The original Pyxis is shipped with this adapter to fit any 2-inch ID focusing mount. [2-inch barrel mount // OPTEC-2100 male dovetail]	\$55.00

THREADED SPACERS AND ADAPTERS***T-thread Adapters with M42x0.75mm threads***

19632	7.5mm T-thread Extension Ring.	\$30.00
19633	15mm T-thread Extension Ring.	\$30.00
19634	30mm T-thread Extension Ring.	\$30.00
19636	Canon T2 Bayonet Ring.	\$25.00
19637	Nikon T2 Bayonet Ring.	\$25.00
19850	T-thread to SCT-thread Expansion Ring. Expands the M42x0.75mm thread to a male 2"-24tpi thread. Can also be used as male T-thread to male T-thread adapter.	\$45.00
19851	T-thread to STL expansion ring adapter.	\$45.00
19852	STL knurled locking ring fits 2.156"x24tpi STL male thread.	\$15.00
19853	T- to C-mount adapter, female T-thread to male C-thread.	\$35.00
19854	T-thread (M42x0.75mm) to M65 x1mm expansion ring.	\$55.00

STL thread adapters with 2.156" x 24tpi threads.

19391	STL/QSI thread to T-thread adapter – Low Profile. (LIMITED STOCK) Adapter to convert male QSI/STL thread to male T-thread, 7.2mm back-focus. [2.156"x24 female // M42x0.75mm T-thread male]	\$50.00
19498-x	STL to STL extension adapter. Custom adapter for STL threaded extensions. Specify length up to 60mm.	\$65.00



AP 2.7 x 24tpi Threaded Adapters and Extensions

AstroPhysics standard 2.7" x 24tpi threaded adapters and extension tubes.

17458	Astro-Physics 2.7 thread standard (AP2.7) to OPTEC-2400 dovetail adapter.	\$85.00
19870	M90 x 1mm female thread to AP2.7 Female threaded adapter. Converts GSO / AstroTech AT8RC spacer tubes to AP2.7 standard.	\$85.00
19878	AP2.7 x 24tpi to M54 x 0.75mm thread adapter. Fits Atik and other large format cameras with M54 female thread. Includes spacer for shallow thread cameras.	\$85.00
19879	AP2.7 x 24tpi to T-thread adapter. Includes internal thread for Takahashi Collimation Scope. (equivalent to RCOS T-2-AP adapter)	\$85.00
19880	AP2.7 x 24tpi Extension Tube Set, 4-piece. Provides ¼" incremental extensions from ½" to 3-¼" Includes ½", ¾", 1", and 1-½" extensions (#19891 through #19894 below)	\$165.00
19881	AP2.7 x 24tpi Extension Tube Set, 5-piece. Includes ½", ¾", 1", 1-½", and 3" extensions (#19891 through #19895 below)	\$225.00
19882	AP2.7 x 24tpi Extension Tube, ½" length.	\$45.00
19883	AP2.7 x 24tpi Extension Tube, ¾" length.	\$45.00
19884	AP2.7 x 24tpi Extension Tube, 1" length.	\$45.00
19885	AP2.7 x 24tpi Extension Tube, 1-½" length.	\$45.00
19886	AP2.7 x 24tpi Extension Tube, 3" length.	\$75.00
19887	AP2.7 x 24tpi male to male thread adapter.	\$65.00
19888	AP2.7 knurled female threaded retaining ring. Use this locking ring to set the back-focus distances at exactly the distance required. 1/10" thick, Gold anodized.	\$20.00

Standard 3x24tpi Threaded Adapters

Apogee, SBIG, and other cameras share a common 3.000"x24tpi threaded female interface for their large cameras and filter wheels. These mechanical adapters allow a proper fit to other telescope and camera interfaces.

17666	2-inch to 3"x 24tpi male threaded mount. Also listed in the 2-inch Drawtube Adapters section.	\$50.00
17832	3-inch to 3"x 24tpi threaded mount. Also listed in the 3-inch Drawtube Adapters section.	\$50.00
19370	3"x 24tpi Male to Male threaded adapter. (LIMITED STOCK) Adapter with male to male 3"x24tpi threads to directly attach Apogee or SBIG cameras to Equuleus tip-tilt adapter.	\$50.00
19371	3" x 24tpi Male to T-thread adapter. (LIMITED STOCK)	\$50.00
19372	3" x 24tpi Male to STL 2.156"x24tpi thread adapter. (LIMITED STOCK)	\$50.00
19373	3"x 24tpi Female to male OPTEC-3600 dovetail mount. (LIMITED STOCK) Also fits Televue NP101is. Same as stock #19811.	\$50.00

Other Adapters and Threaded Extensions

19790	Meade-Celestron Adapter – Meade 16" SCT to Celestron 3-1/4" thread. Unique adapter allows conversion of Meade 16" SCT thread (4" x 16tpi) to Celestron 11/14 SCT thread (3-1/4" x 16tpi) allowing use of various Celestron large format accessories.	\$95.00
19791	CS-mount to C-mount adapter. 5mm long C-thread extension converts CS-mount camera to C-mount back-focus specification.	\$20.00
19849	2-inch Filter Cell adapter. Converter female M48x0.6mm (Celestron and Optec standard) filter threads to M48x0.75mm female thread.	\$20.00

Celestron EdgeHD Accessories

19792	Sure-Lock Mirror Support Clutch Knobs for Celestron EdgeHD OTA. Special Low-Profile replacement lock knob set to allow additional clearance for TCF-Leo on Celestron C14 EdgeHD models and others. These lock knobs are machined from solid 360 alloy brass with heavy knurl for easier locking of the primary mirror. Easy installation provides an additional 22mm of clearance. Set of two.	\$95.00
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Optec-DSI 3.5x24tpi Threaded Adapters and Extensions

Optec-DSI standard 3-1/2" x 24tpi threaded adapters and extension tubes. Anti-reflection threaded, ultra-flat black painted and baked interior finish with no internal reflections guaranteed.

19802	Optec-DSI 3.5x24tpi (male) thread to OPTEC-3600 dovetail adapter.	\$95.00
19889	Optec-DSI 3.5x24tpi Extension Tube Set, 4-piece. Provides 1/4" incremental extensions from 1/2" to 3-1/4" Includes 1/2", 3/4", 1", and 1- 1/2" extensions (#19891 through #19894 below)	\$195.00
19890	Optec-DSI 3.5x24tpi Extension Tube Set, 5-piece. Includes 1/2", 3/4", 1", 1- 1/2", and 3" extensions (#19891 through #19895 below)	\$250.00
19891	Optec-DSI 3.5x24tpi Extension Tube, 1/2" length.	\$65.00
19892	Optec-DSI 3.5x24tpi Extension Tube, 3/4" length.	\$65.00
19893	Optec-DSI 3.5x24tpi Extension Tube, 1" length.	\$65.00
19894	Optec-DSI 3.5x24tpi Extension Tube, 1-1/2" length.	\$65.00
19895	Optec-DSI 3.5x24tpi Extension Tube, 3" length.	\$85.00
	Optec-DSI 3.5x24 adapters are typically mounted male end toward telescope. The 3-inch extension tube is baffled	
19896	Optec-DSI 3.5x24tpi (male) to AstroPhysics 2.7" female adapter.	\$75.00
19897	Optec-DSI 3.5x24tpi knurled female threaded retaining ring. Use this locking ring to set the back-focus distances at exactly the distance required. 1/10" thick, Gold anodized.	\$30.00
19898	M90x1mm female to Optec-DSI 3.5x24tpi female thread adapter.	\$95.00
19899	M117x1mm female to Optec-DSI 3.5x24tpi female thread adapter.	\$95.00
19905	Optec-DSI 3.5x24tpi male thread to 2-inch receiver with brass compression ring. Accepts 2-inch eyepieces, star diagonal, or 2-inch camera nosepiece.	\$95.00
19909	Optec-DSI 3.5 x 24tpi male thread to M48 x 0.75mm camera thread.	\$95.00
19910	Optec-DSI 3.5 x 24tpi male thread to OPTEC-2400 male dovetail adapter.	\$95.00
19911	Optec-DSI 3.5 x 24tpi male thread to M54 x 0.75mm camera thread.	\$95.00
19912	Optec-DSI 3.5 x 24tpi male thread to male T-thread adapter.	\$95.00
19913	Optec-DSI 3.5 x 24tpi male thread to 2" x 24tpi SCT male thread adapter.	\$95.00
19914	Optec-DSI 3.5 x 24tpi male thread to STL 2.156" x 24tpi male thread adapter.	\$95.00
19915	Optec-DSI 3.5 x 24tpi male thread to 3" x 24tpi male thread adapter.	\$95.00
19916	Optec-DSI 3.5 x 24tpi male thread to M92 x 1mm male thread adapter.	\$95.00
19917	Optec-DSI 3.5 x 24tpi male thread to M72 x 1mm male thread adapter.	\$95.00
19918	Optec-DSI 3.5 x 24tpi male thread to M72 x 1mm female thread adapter.	\$95.00
19919	Optec-DSI 3.5 x 24tpi male thread to ONAG XM dovetail adapter.	\$95.00
19920	Optec-DSI 3.5 x 24tpi male thread to PlaneWave SecureFit.	\$95.00
19921	Optec-DSI 3.5 x 24tpi male thread to OPTEC-3000-S short 3-inch dovetail spec.	\$95.00
19922	Optec-DSI 3.5 x 24tpi male thread to SBIG STXL 4-bolt adapter.	\$125.00

POWER AND BATTERY

Battery and Power Supplies

17063	Power plug 2.5x5.5mm with 6-ft. leads. Standard power plug for most Optec devices. Ideal for Powerpole and Rigrunner type projects. Wire plug with the center pin positive for 12VDC nominal voltages. Battery voltages of 13.7VDC will work without problems.	\$20.00
17064	12 VDC Universal Power Supply, input range 100-240VAC 50-60Hz, 1.2 Amp output. For use with most Optec devices. Includes 2.5 x 5.5 power plug. Specify U.S. or European wall plug.	\$30.00
17067	6-foot power supply extender cable.	\$20.00
17070	USB TO 12vdc Power Converter Cable Recommended for use with 1A or higher USB charger ports to power ThirdLynx focus motors.	\$25.00
17071	Power Plug Converter, 2.1mm to 2.5mm standard. 2.1mm to 2.5mm expansion plug for any Optec device requiring power. Works well with PowerBox and other 2.1mm standard 12VDC sockets.	\$15.00



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CABLES AND CONVERTERS***Flat Flexible CAT-5e/6 Ethernet Cables***

These special flat Ethernet cables can be used with FocusLynx controllers for the Focuser 1 or Focuser 2 ports to connect to any compatible focuser. Especially easy to use for through-mount cabling telescope systems.

17691	2-ft. flat Ethernet cable.	\$10.00
17692	3-ft. flat Ethernet cable.	\$10.00
17693	7-ft. flat Ethernet cable.	\$15.00
17694	15-ft. flat Ethernet cable.	\$20.00

USB/Serial Cables

Single piece cable in integrated FTDI USB converter. Uses VCP technology to provide direct USB connection for Optec devices.

19671	6-foot RJ-12 Serial / USB cable with integrated FTDI USB converter.	\$60.00
19672	12-foot RJ-12 Serial / USB cable with integrated FTDI USB converter.	\$65.00
19673	25-foot RJ-12 Serial / USB cable with integrated FTDI USB converter.	\$75.00

Control Cables for older TCF-S and IFW Systems

17470	6-foot Control Cable, Hand Controller to TCF-S/IFW, RJ-45 to DB-9. (LIMITED STOCK)	\$35.00
17471	12-foot Control Cable, Hand Controller to TCF-S/IFW, RJ-45 to DB-9. (LIMITED STOCK)	\$45.00
17472	25-foot Control Cable, Hand Controller to TCF-S/IFW, RJ-45 to DB-9. (LIMITED STOCK)	\$55.00

REPAIR SERVICES AND REPLACEMENT PARTS

17558	Upgrade temperature probe and socket to 6-pin DIN type.	\$95.00
17560	Replacement temperature probe for TCF/TCF-S/TCF-S3 focuser.	\$45.00
17561	Replace MAX232 RS232 interface chip, 16-pin DIP. Fits most Optec serial products.	\$25.00
17562	Replacement drawtube for TCF-S focuser – include modification of main body if required.	\$125.00
17563	IFW controller board replacement.	\$195.00
17564	IFW hand control box, complete.	\$245.00
17565	TCF-S/TCF-S3 firmware upgrade PIC chip.	(Rev 1 through Rev4 boards) = V2.40 (Rev 5 board) = V4.11 Final version for TCF-Si/TCF-S3i = V3.12 \$25.00
17566	Stepper driver PIC chip for TCF-S, IFW, or Pyxis.	\$25.00
17567	IFW firmware upgrade PIC chip.	Current version for IFW = V2.10 \$25.00
17568	TCF-S/TCF-S3 controller board replacement.	\$195.00
17569	TCF-S/TCF-S3 hand control box, complete.	\$245.00
17570	TCF-Si/TCF-S3i control board replacement.	\$125.00
17572	PYXIS firmware upgrade PIC chip.	Current version for Pyxis = V2.05 Current version for Pyxis 3" = V3.43 \$25.00
17573	PYXIS 3-inch controller board replacement.	\$135.00
17574	TCF-Lynx motor board replacement.	\$75.00
17575	IFW filter wheel replacement O-ring, 3-pack. (specify IFW or IFW-3)	\$20.00
17579	Replacement circuit board for the Pyxis 2-inch	\$100.00
17599	Replacement thermo-foam pad for TCF-S temperature sensor.	\$3.00
19521	Replacement circuit board for Alnitak Flip-Flat, Flat-Man, Flat-Man L, Rev. H	\$165.00
19530	Replacement Pyxis LE / HSFw circuit board.	\$125.00
19532	Replacement Focus Lynx circuit board.	\$195.00
94966	Replacement stainless steel thumbscrews, TCF focusers. (specify 2-inch or 3-inch focuser model)	\$25.00

CONTACT [OPTEC SALES](#) FOR REPLACEMENT PARTS NOT LISTED HERE



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