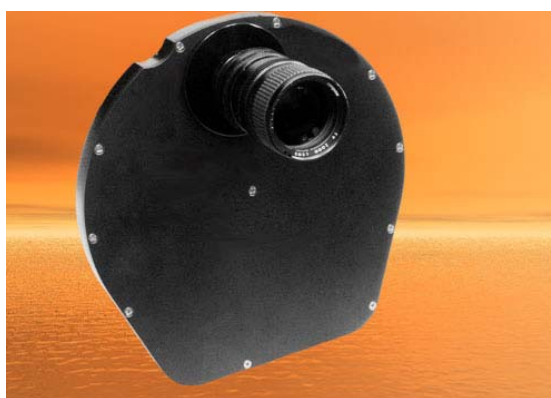


EHD IMAGING GMBH

Color Filter Wheels

Color Filter Wheels with USB Interface for upto 15 filters.



CFW-Filterwheels

EHD IMAGING GMBH

Zum Rennplatz 15
D-49401 Damme

Telefon: 05491/2090
Fax: 05491/2098
E-Mail: info@ehd.de

Filterwheels fit
perfect to :

- ProLine Camera
- MicroLine Camera
- SciCam Camera

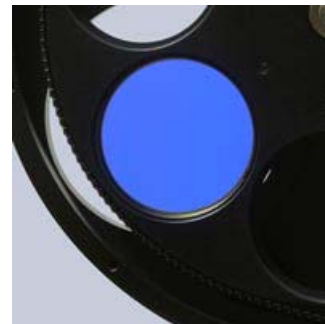
Our Color Filter Wheel's robust mechanical design provides the basis for stunning, uncompromised images. Each CFW color filter wheel is precision engineered with a highly accurate, no-slip drive chain driven and stepper motor. The large diameter pivot pin and bushing are precision ground and matched for smooth, quiet no-fuss operation night after night. CFW color filter wheels use no internal lights for homing to protect your images from stray light interference.

Our color filter wheels are used worldwide. A recent application is SOFIA - Stratospheric Observatory for Infrared Astronomy (along with our ProLine camera and Precision Digital Focuser). Our color filter wheels have also been used for mine monitoring operations in Angola, microscopy research labs as well as dental research. Of course professional and amateur astronomers around the world use them as well.

- Computer Controlled
- USB Interface
- Up to 20 Filters
- Also Square Filters available
- Research Grade Filter Sets, LRGB, UBVR, Ha, Oxygen III, Sulfur II on request.
- Nikon F-Mount Adapter (Camera + Filterwheel) optional

CFW Specifications

Color Filter Wheel Specifications	CFW-1.5	CFW-1.8	CFW-2.7	CFW-3.12	CFW-3.20	CFW-4.5	CFW-5.7	Precision CFW-6.6	CenterLine CFW-7.8
Overall Thickness (less motor)	0.81	0.81	0.785	0.85	0.85	0.785	0.8475	0.97	1.1
Weight	1.6 lbs	1.6 lbs	2.6 lbs	6.8 lbs	6.8 lbs	2.8 lbs	4.0 lbs	TBD	TBD
Filter Positions	5	8	7	12	20	5	7	6	8
Recommended Filter Diameter	50mm	28mm	50mm	50mm	25mm	50 x 50 mm (square)	50 x 50 mm (square)	65mm - 79mm	50mm
Filter Thickness Range	1mm - 5mm	1mm - 5mm	1mm - 5mm	1mm - 5mm	1mm - 5mm	1mm - 5mm	1mm - 5mm	1mm - 7.9mm	1mm - 5mm
Number of Internal Filter Wheels	One	One	One	One	One	One	One	One	Two
Homing Device Type	Magnet / Hall Effect	Magnet / Hall Effect	Magnet / Hall Effect	Magnet / Hall Effect	Magnet / Hall Effect	Magnet / Hall Effect	Magnet / Hall Effect	Magnet / Hall Effect	Magnet / Hall Effect
Motor / Drive Type	Stepper / Chain	Stepper / Chain	Stepper / Chain	Stepper / Chain	Stepper / Chain	Stepper / Chain	Stepper / Chain	Stepper / Chain	Stepper / Chain
Software Controlled	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Path increase with FLI Camera	0.540"	0.540"	0.505	0.57	0.57	0.505"	0.57	0.657	0.82
Unvignetted F-ratio with KAI-11002			6.5	6.7	NA	2.3	2.24	1.16	20.5
Frame Side Connection	2.930" Pocket	2.930" Pocket	2.930" Pocket	2.930" Pocket	2.930" Pocket	2.930" Pocket	2.930" Pocket	3.14" Aperture	TBD
Cover Side Connection	2.005" - 24 UNS-2B	2.005" - 24 UNS-2B	2.005" - 24 UNS-2B	2.005" - 24 UNS-2B	2.005" - 24 UNS-2B	3.005" - 24 UNS-2B	3.005" - 24 UNS-2B	3.005" - 24 UNS-2B	TBD
CCD to CFW Cover Side (ProLine)	50.8 mm	50.8 mm	43mm	44.6mm	44.6mm	43mm	44.6mm	46.9mm	51mm
CCD to CFW Cover Side (MicroLine)			37.7mm	39.3mm	39.3mm	37.7mm	39.3mm	41.6mm	45.7mm
CFW drawing (Adobe PDF format)			CFW2.PDF	CFW3.PDF	CFW3.PDF	CFW4.PDF	CFW5.PDF	CFW6.PDF	CFW7.PDF



CFW-2-7: now accommodates 2 inch & 50mm filters, 1mm to 5mm thick



Direct USB connection



CFW-2-7 New threaded retaining ring system