

QHYCCD

Adapter Systems



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Introduction

QHY offers a very comprehensive and flexible adapter system that allows our cameras to achieve focus with a variety of accessories, including camera lens adapters, off-axis guiders, filter wheels and numerous optical systems. The many potential combinations of these items produce an equal variety of back-focus distances that must be considered to make it all work together. This variety and flexibility, however, also can be confusing particularly for new users. Therefore, based on users' feedback we have decided to include a fixed combination of adapter kits to meet mainstream needs of most users (e.g., Multi-Purpose Coma Corrector, Canon lens adapter, Nikon lens adapter, etc.). Users can choose the corresponding adapter set according to their needs to ensure focus. There is no need to measure and calculate the back focal length, choose adapters, and customize screws as before. We will directly provide the calculated results and corresponding adapters.

Below we list all the kits that we will provide in 2021. For retail customers, the total cost is down because they don't need to pay for parts they won't use to match their particular needs. **Please note: After these kits released, we will no longer supply single adapter pieces for the most part (except a few models as shown in Table 3).**

If you have no special requirements for the back focal length, you can use a standard T-Mount. If you need a specific back focal length, you can select one of the specific adapter sets to meet your requirements or use QHYCCD's All-In-One adapter kit to combine your own set of spacer rings to meet your particular requirements (See below).

Please also note that the Combo kit drawings, below, depict how the adapters and other items are organized with various products such as filter wheels or an OAG, etc., but the adapter kits include only the adapter rings and screws and do not include the other products such as OAG, Filter Wheel and/or Camera.

Table1: New Adapter Kits

Model	Product No.	Compatible with	To Connect	Kit Includes	Note
Combo A1	020100	QHY294M/163M + CFW3M-S + OAG	55mm BFL MPCC	5mm M54 to M48 Adapter*1 3mm Spacer*1 0.5mm Spacer*1 10mm Spacer*1 22mm M3 Screws*8	This Combo A1 is included as a standard accessory with the QHY294M
Combo A2	020101	QHY294M/163M +CFW3M-US	Canon EF Lens	10mm M54 Canon EF Adapter*1 4mm M54 Screwed Adapter*1 3mm Spacer*1 1mm Spacer*1 Cam Top Adapter (originally 020063) 10mm M3 Screws*8	–
Combo A3 (Nik Adapter1)	020102	QHY294M/163M +CFW3M-US	Nikon F Lens	10mm M54 Nikon F Adapter*1	–
Combo B1 (B1-1, B1-2, B1-3)	020103	QHY268M +CFW3L +OAG Or QHY268M +CFW3M-US +OAG	55mm BFL MPCC	5mm M54 to M48 Adapter*1 3mm Spacer*3 1mm Spacer*1 10mm Spacer*1 24mm M3 Screws*8 28mm M3 Screws*8	This combo B1 is included as a standard accessory with (a) QHY268M and (b) QHY600 Short Back focus version
Combo B2 (For Canon Lens)	020104	QHY268M+CFW3L	Canon EF Lens	10mm M54 Canon EF Adapter*1	–
Combo B3 (For Nikon Lens)	020105	QHY268M+CFW3L	Nikon F Lens	12mm M54 Nikon F Adapter*1 0.5mm Spacer*1	–

Table1 (continued) New Adapter Kits

Model	Product No.	Compatible with	To Connect	Kit Includes	Note
Combo C1	020106	QHY600M-PH +CFW3L	55mm BFL MPCC	5mm M54 to M48 Adapter*1 7mm Spacer*1 14mm M3 Screws*8	C1 is supplied as a standard accessory with QHY600M-PH
Combo D1	020107	QHY268C / QHY600C QHY168C / QHY247C QHY /128C / QHY410C QHY367C	55mm BFL MPCC	5mm M54 to M48 Adapter*1 2.5mm 2inch Filter Fixer (Original Name 020055) 10mm Spacer*1 14mm Spacer*1 36mm M3 Screws*8	D1 is supplied as a standard accessory with QHY600C QHY268C
Combo D2	020108	QHY268C / QHY600C QHY168C / QHY247C QHY128C / QHY410C QHY367C	Canon EF Lens	10mm M54 Canon EF Adapter*1 4mm M54 Screwed Adapter*1 2.5mm 2inch Filter Fixer (Original Name 020055) 3mm Spacer*1 1mm Spacer*1 14mm M3 Screws*8	-
Combo D3	020109	QHY268C / QHY600C QHY168C / QHY247C QHY128C / 410C QHY367C	Nikon F Lens	10mm M54 Nikon F Adapter*1 4mm M54 Screwed Adapter*1 2.5mm 2inch Filter Fixer (Original Name 020055) 3mm Spacer*2 0.5mm Spacer*1 16mm M3 Screws*8	-
Combo E1	020110	QHY294C / QHY163C QHY183C	55mm BFL MPCC Canon EF Lens Nikon F Lens	Under Development	TBD

Diagram Combo A1 - QHY294M / QHY163M with Medium Ultra Slim Filter Wheel + Medium OAG

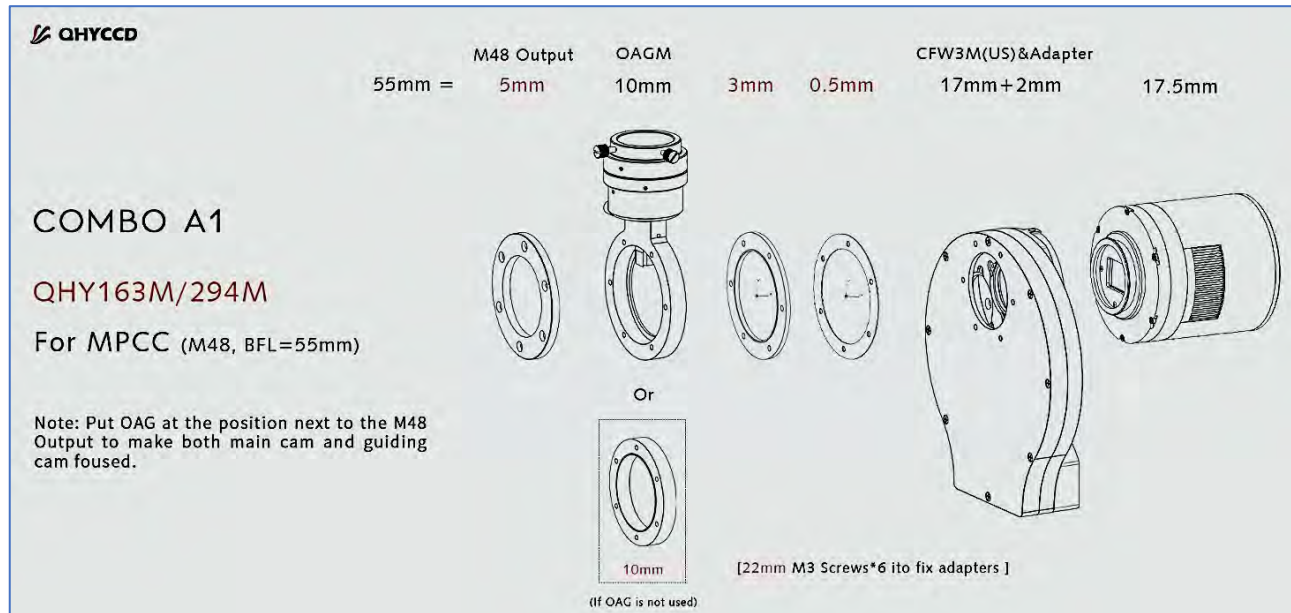


Diagram Combo A2 - QHY294M / QHY163M with Small Ultra Slim Filter Wheel and Canon Lens Adapter

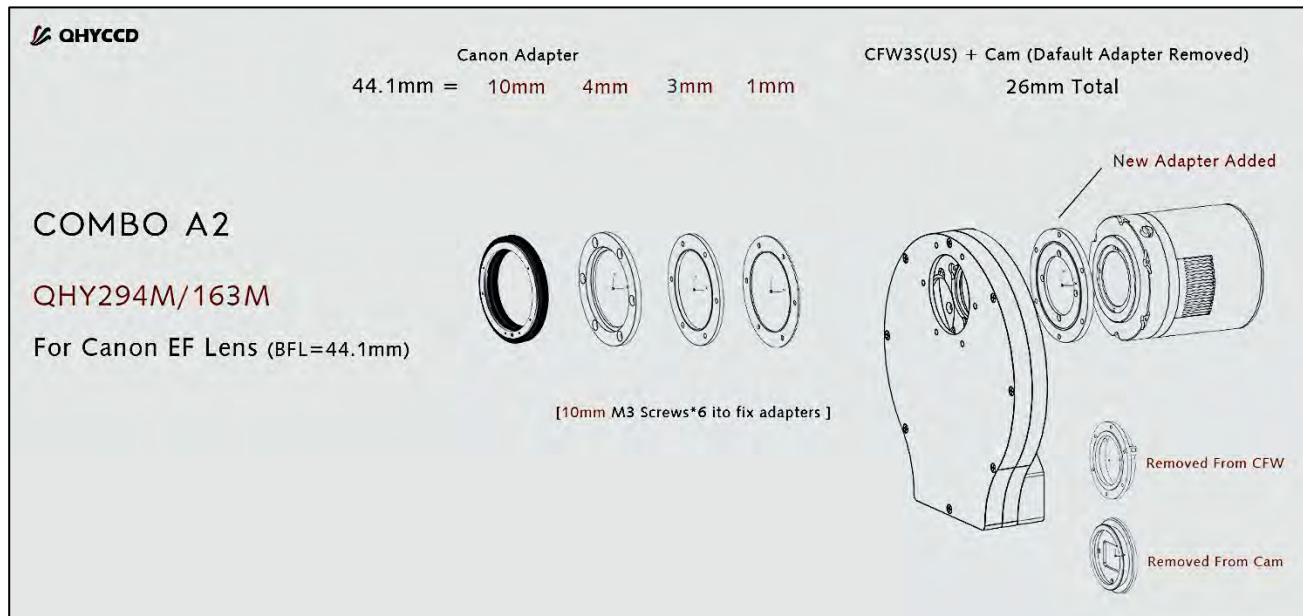


Diagram Combo A3 - QHY294M / QHY163M with Medium Ultra Slim Filter Wheel and Nikon Lens Adapter

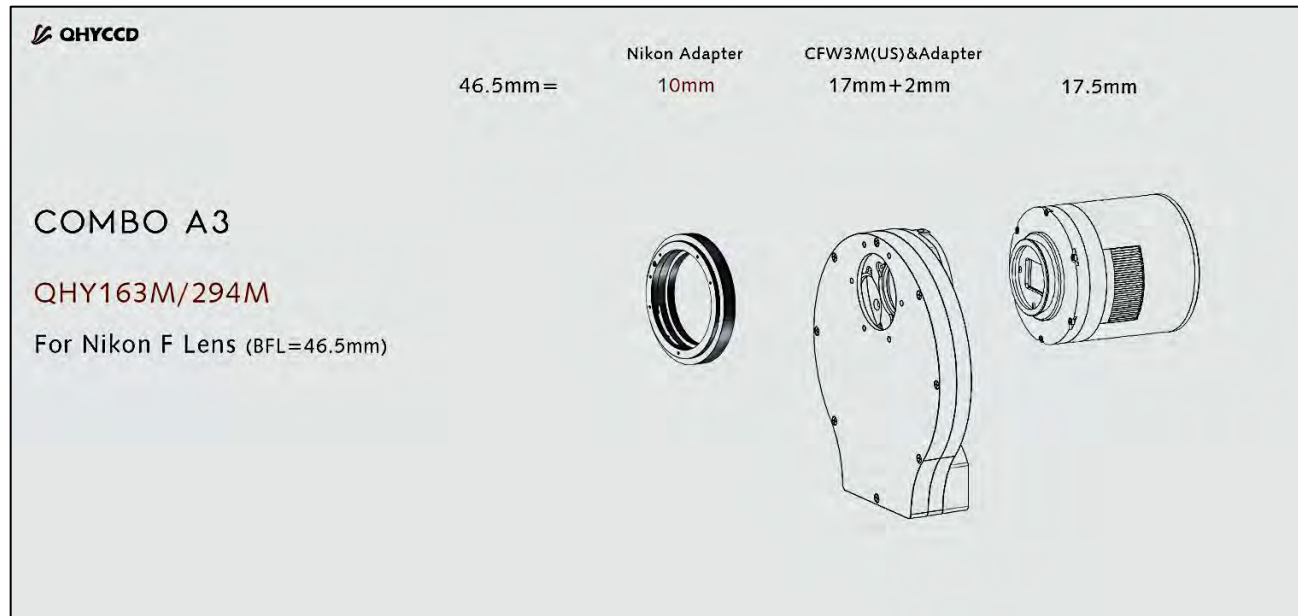


Diagram Combo B1-1 - QHY268M / QHY600 (Short BFL Version) with Large Filter Wheel + Medium OAG

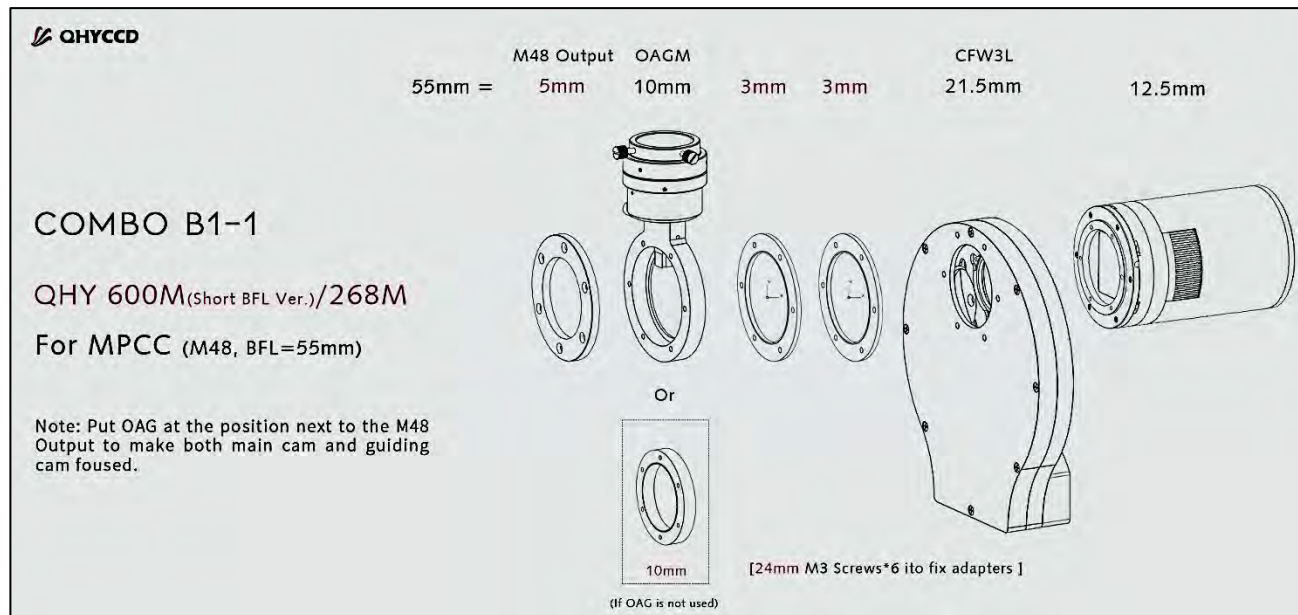


Diagram Combo B1-2 - QHY268M with Medium Ultra Slim Filter Wheel

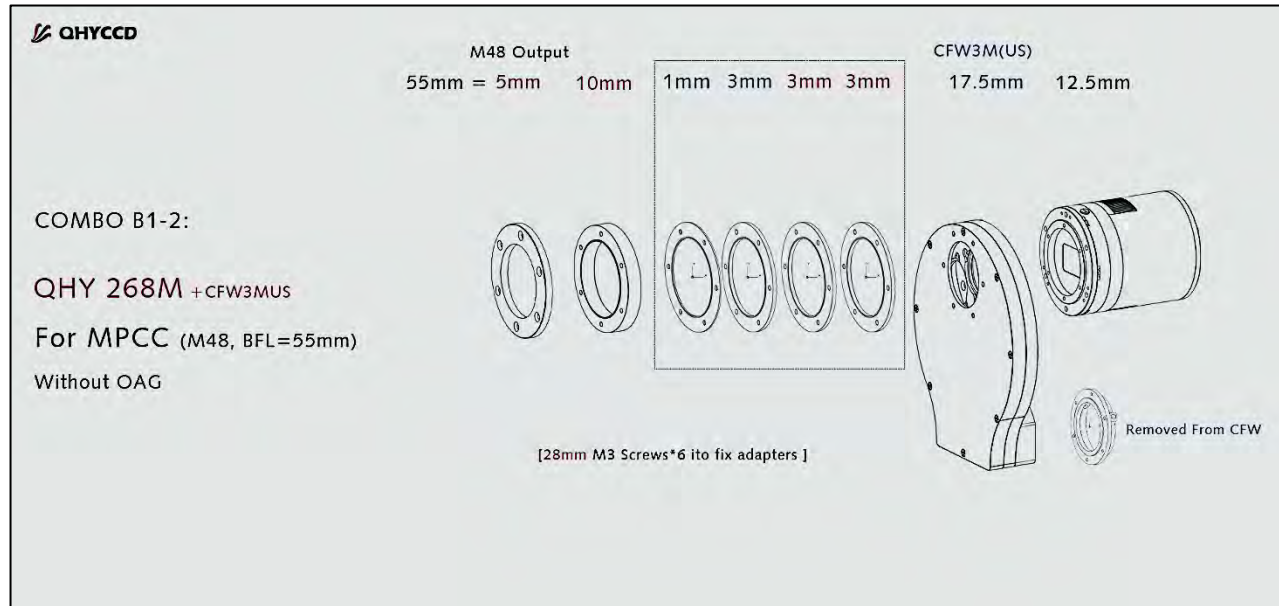


Diagram Combo B1-3 - QHY268M with Medium Ultra Slim Filter wheel + Medium OAG

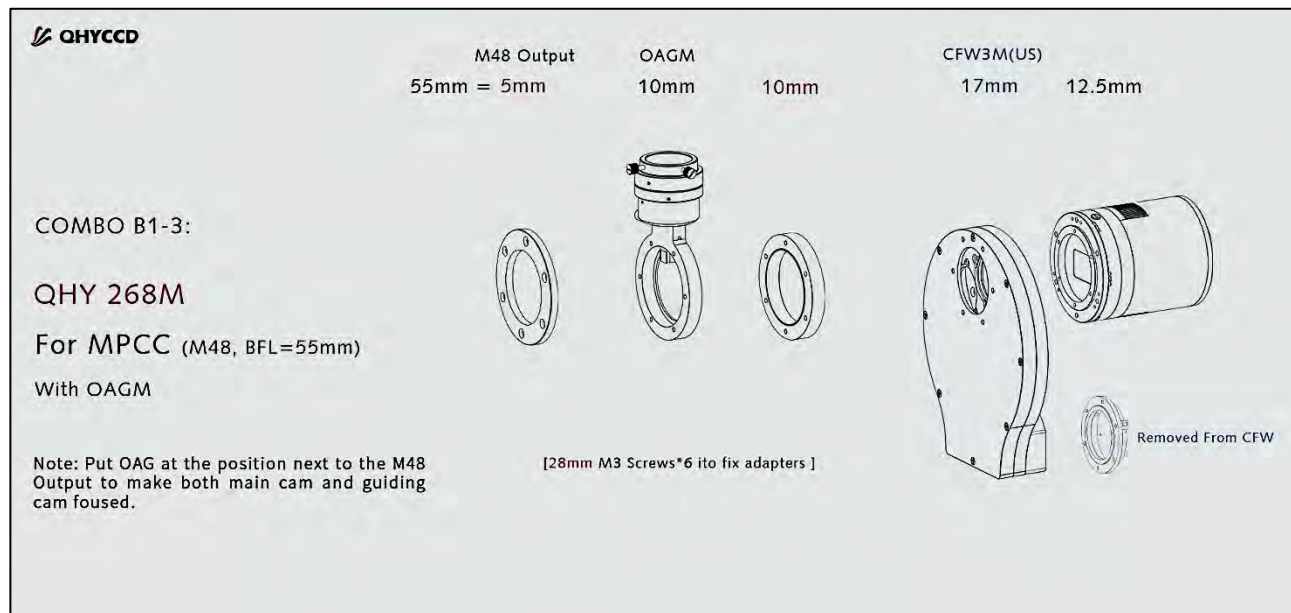


Diagram Combo B2 - QHY268M / QHY600 (Short BFL Version) with Large Filter Wheel + Canon Lens Adapter

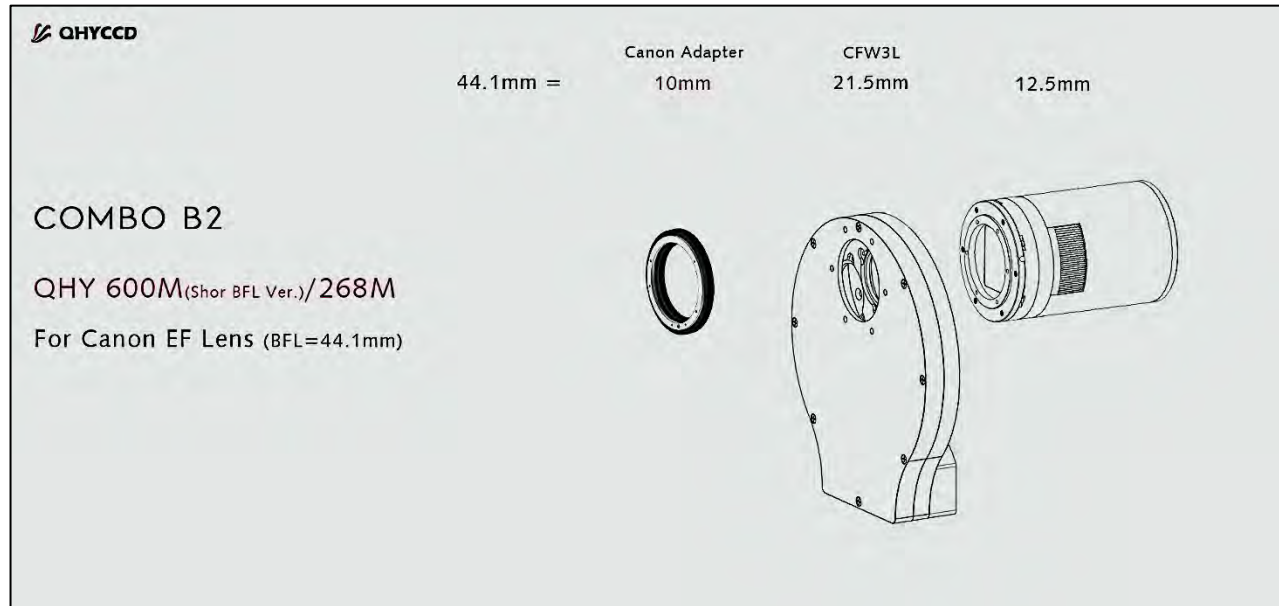


Diagram Combo B3 - QHY269M / QHY600 (Short BFL Version) with Large Filter Wheel + Nikon Lens Adapter

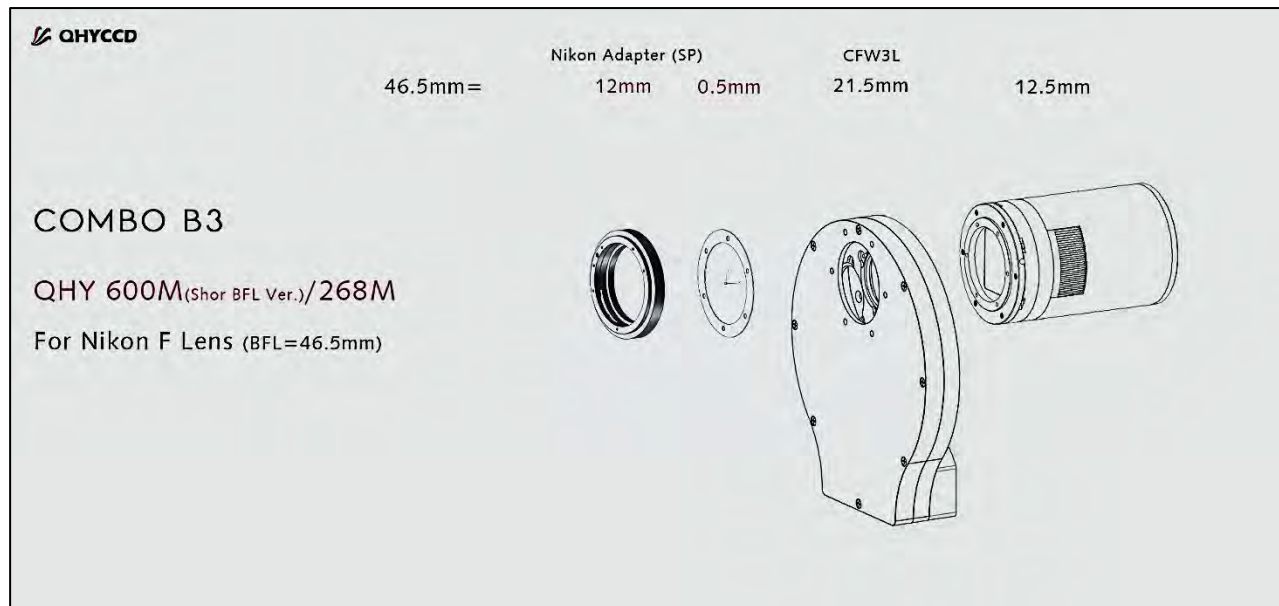


Diagram Combo C1 - QHY600-PH with Large Filter Wheel

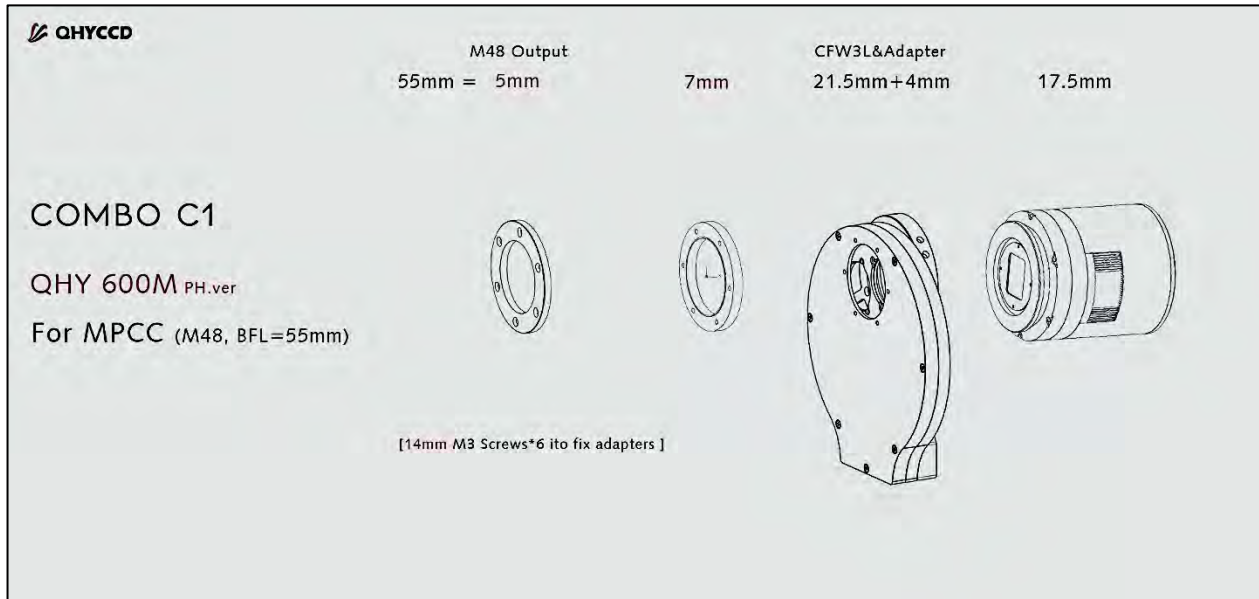


Diagram Combo D1 - QHY600C / 410 C / 367C / 128C / 268C / 247C / 168C with Medium OAG

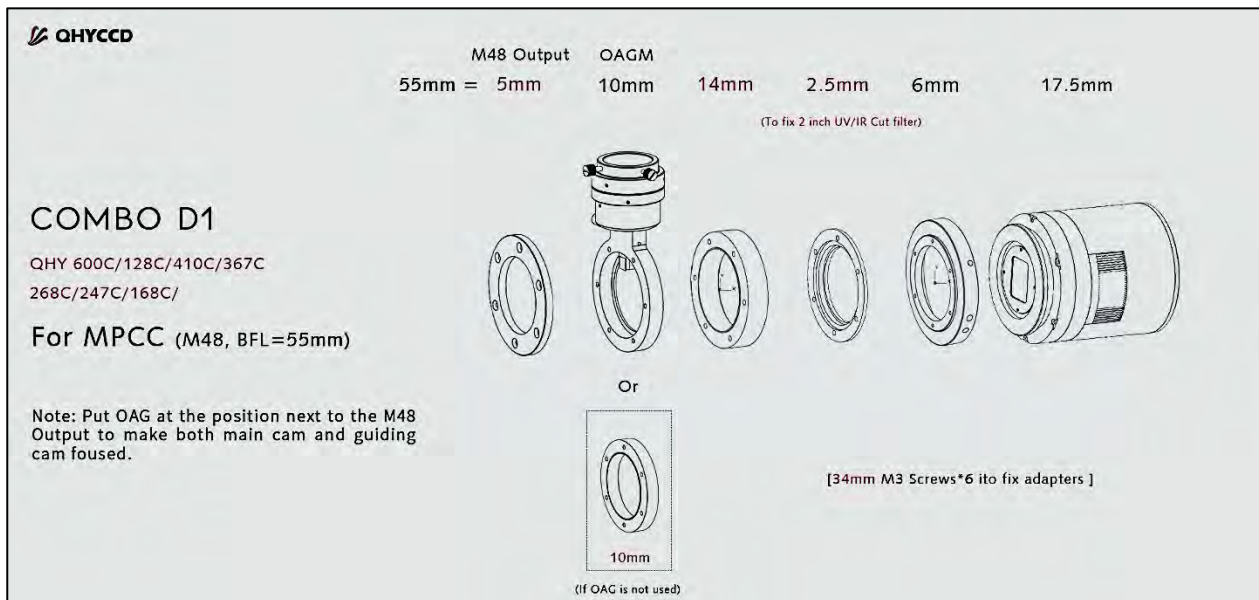


Diagram Combo D2 - QHY600C / 410C / 367C / 128C / 268C / 168C with Canon Lens Adapter

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Canon Adapter
 44.1mm = 10mm 4mm 3mm 1mm 2.5mm 6mm 17.5mm
(To fix 2 inch UV/IR Cut filter)

COMBO D2
 QHY 600C/128C/410C/367C
 268C/247C/168C/
 For Canon EF Lens (BFL=44.1mm)

[14mm M3 Screws*6 to fix adapters]

Diagram Combo D3 - QH600C / 410C / 367C / 128C / 268C / 168C with Nikon Lens Adapter

QHYCCD

Nikon Adapter
 46.5mm = 10mm 4mm 3+3+0.5mm 2.5mm 6mm 17.5mm
(To fix 2 inch UV/IR Cut filter)

COMBO D3
 QHY 600C/128C/410C/367C
 268C/247C/168C/
 For Nikon F Lens (BFL=46.5mm)

[16mm M3 Screws*6 to fix adapters]

All-In-One Accessory Package

What if none of the above solutions meet my needs?

First please confirm whether there are really strict requirements of BFL on your equipment. If not, just use a standard T-ring to connect the telescope.

If you are using a unique combination of equipment, please see if the existing plan can be applied. For example, if a color camera still needs to be matched with a filter wheel and MPCC, you can refer to the scheme of monochrome camera with a filter wheel and MPCC.

If all the existing package solutions cannot meet the demand, such as the situation where the BFL requirement is very special, we also offer an all-in-one accessory package which contains nearly all kinds of adapters we provide. The 0.5, 1,2,3,7 and 14mm spacers can be combined to make any back focus need from **0.5mm to 27.5mm**.

Diagram All-In-One M42 Kit - QHY183M with Small Ultra Slim Filter Wheel and Small OAG

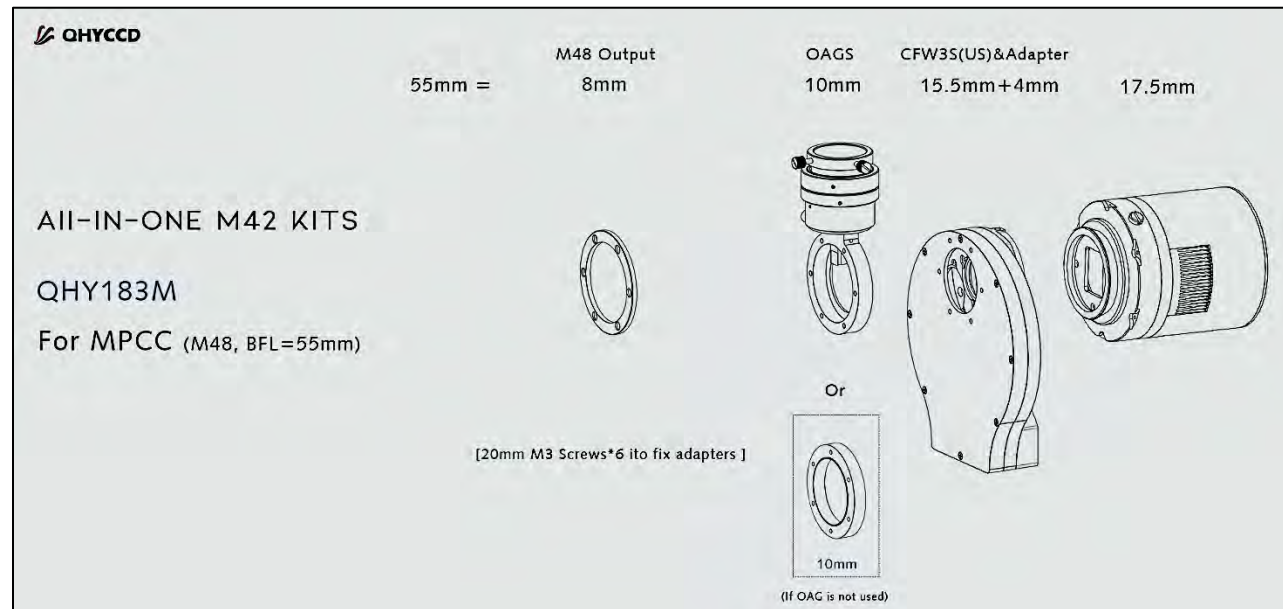


Diagram All-In-One M42 Kit - QHY183M with Small Ultra Slim Filter Wheel and Canon Lens Adapter

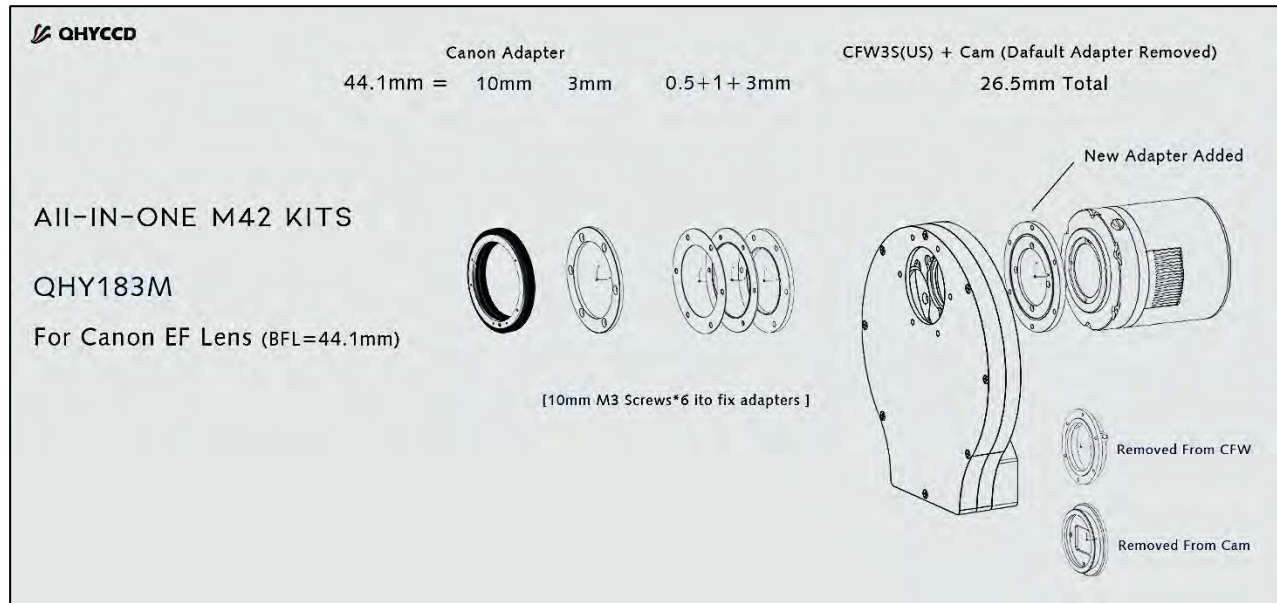


Diagram All-In-One M42 Kit - QHY183M with Small Ultra Slim Filter Wheel and Nikon Lens Adapter

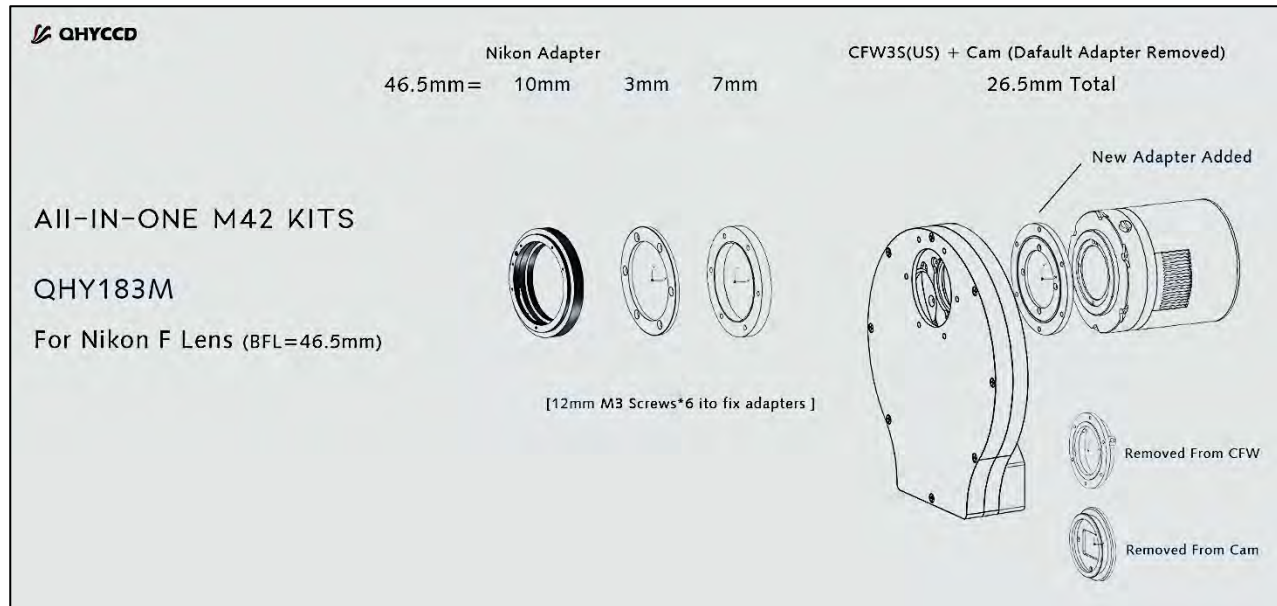


Table 2. New All-in-One Adapter Kits

Model	Compatible with	Includes
M42 All-in-one Kit (Available Soon)	QHY183M CFW3S-SR CFW3S-US OAGS	8mm M42 to M48 Adapter*1 3mm M42 Screwed Adapter*1 Cam Top Adapter (original name 020063)*1 0.5mm/1mm/2mm/3mm/7mm/10mm Spacer*1 21mm M3 Screws*8 10mm M3 Screws*8 12mm M3 Screws*8
M54 All-in-one Kit	All Cooled CMOS Cameras CFWM-SR CFWM-US CFWL OAGM	5mm M54 to M48 Adapter*1 3mm M54 to M42 Adapter*1 2.5mm 2inch Filter Fixer (Original Name 020055) *1 4mm M54 Screwed Adapter (Original name 020070)*1 Cam Top Adapter (original name 020063)*1 0.5mm/1mm/2mm/3mm/7mm/10mm/14mm Spacer*1 8mm M3 Screws*8 10mm M3 Screws*8 12mm M3 Screws*8 14mm M3 Screws*8 16mm M3 Screws*8 21mm M3 Screws*8 24mm M3 Screws*8 28mm M3 Screws*8 36mm M3 Screws*8 50mm M3 Screws*8

Table 3. Single adapter pieces

Model	Image	Previous Name / Part #
10mm M54 Canon EF Adapter (Combo B2)		020071
10mm M54 Nikon F Adapter (Combo A3)		020073
10mm M42 Canon EF Adapter		020072
10mm M42 Nikon F Adapter		020074
2 Inch Filter Fixer		020076&020077
All-kind PoleMaster Adapters	—	—

Adapter Instruction (Website):

OSC Cam:

<https://www.ghyccd.com/index.php?m=content&c=index&a=show&catid=193&id=114>

Mono Cam:

<https://www.ghyccd.com/index.php?m=content&c=index&a=show&catid=193&id=115>

Table 4. Changes to Existing Accessory Adapter Sets

With the release of the new adapter system, we will replace the standard accessory sets of the following models with the new kits:

Model	Old Standard Accessory Sets	Replaced with these new Standard Accessory Sets
QHY600M-PH	5mm M54 to M48 Adapter*1 4mm M54 Screwed Adapter (020070)*1 Spacer Kits (020087)*1	Combo C1 5mm M54 to M48 Adapter*1 7mm Spacer*1 14mm M3 Screws*8
QHY600M Short Back Focus Version	5mm M54 to M48 Adapter*1 4mm M54 Screwed Adapter (020070)*1 Spacer Kits (020087)*1	Combo B1 5mm M54 to M48 Adapter*1 3mm Spacer*3 1mm Spacer*1 10mm Spacer*1 24mm M3 Screws*8 28mm M3 Screws*8
QHY268C QHY600C	5mm M54 to M48 Adapter*1 4mm M54 Screwed Adapter (020070)*1 Spacer Kits (020087)*1	Combo D1 5mm M54 to M48 Adapter*1 2.5mm 2inch Filter Fixer (Original Name 020055) 10mm Spacer*1 14mm Spacer*1 36mm M3 Screws*8