

Ikegami

Surgery Microscope High Resolution Adaptors
for 3 chips Full HD / 4K Cameras

CFA-400 series



CFA-400



CFA-400R



CFA-400RIR

Ikegami has developed new surgery microscope adaptors, CFA-400 series, for 3 chips Full HD (High Definition) and 4K cameras with the higher optical resolution. They equip the optical auto iris function and perform the deeper focus depth with Ikegami MKC camera series.

High Resolution

Higher resolution of the optical lens even for 4K cameras. Approximately 1.5 times better than conventional model.



CFA-400 with sharper images



Conventional camera adaptors

Bright Optics

The new optical design is developed for the brighter optics. Approximately 1.3 times better than conventional model.

Optical Auto Iris

The optical iris can be adjusted automatically and it can contribute to perform deeper focal length.

Remote Focus Control

(CFA-400R/-400RIR)

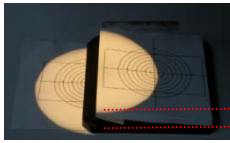
The remote controller can easily control the focus adjustment even during the surgery.

One Push Automatic Filter Changer

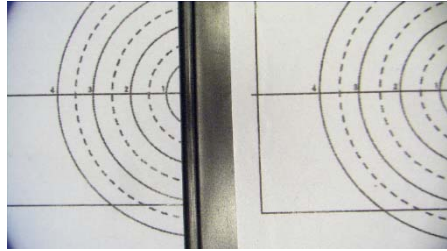
(CFA-400RIR)

One pushing button on the remote controller can automatically switch the integrated filter to move to ICG mode with Ikegami MKC cameras.

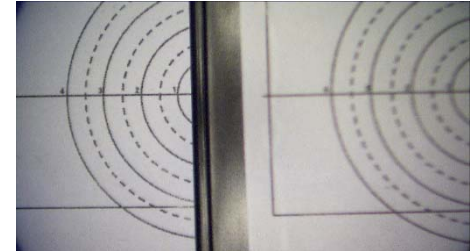
Deeper Focal Depth



Approximately 20mm height

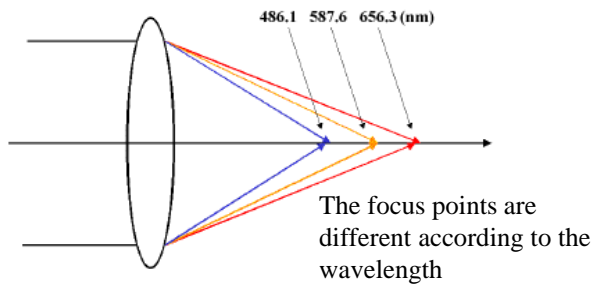


Combination with Ikegami MKC-230HD Rev A and CFA-400

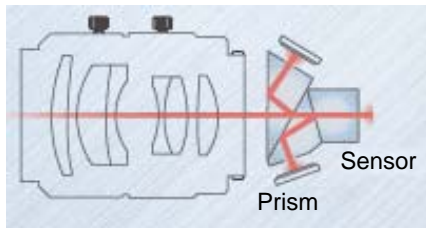


Conventional camera and adaptor

Dedicated Design for 3 Chips Cameras

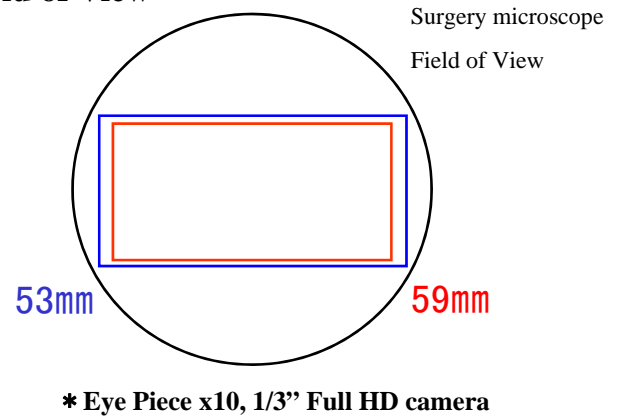


Chromatic aberration



Dedicatedly designed for less chromatic aberration

Field of View



Specification

Model	CFA-400RIR	CFA-400R	CFA-400	CMA-100HD
Camera sensor	1/3" recommended			
Lens mount	C-mount			
Focal length	Fixed			
	53mm	53mm or 59mm (Selectable)	53mm	55mm
Iris power	DC12V ± 10%, 120mA or less			N/A
Focus	Remote focus		Manual focus	
X-Y axis adjustment	Available			
Filter change	One push automatic	N/A	N/A	N/A
Size (mm)	113.5 x 79 x 45	113.5 x 79 x 45	113.5 x 79 x 45	57.5 x 36 x 55.5
Weight	450g or less	450g or less	450g or less	185g or less

Economy Model CMA-100HD

It equips the manual iris and focus control with the fixed focal length but still keeps the optical resolution for Full HD format.



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