

Built-in Type Compact Microscope Series

Compact and lightweight. Best-selling compact microscopes for production lines.



Overview

These compact microscopes exploit the exceptional performance of Nikon's microscope objectives. Used in systems requiring accurate image processing or high-precision alignment, they are also widely used as the eyes (sensors) of production lines.

Features

- Extremely light weight and compact design
- Infinity-compensation optics enable expansibility
- Screw holes around the body can attach these microscopes to a variety of systems
- Two adapters available, with 7mm or 8 mm bore for the light guide

Features of CM-70L

- Enables simultaneous observation at both high and low magnification. Two TV cameras can be attached with C-mount
- High integrity optical design realizes the minimal light loss of bifurcation optics

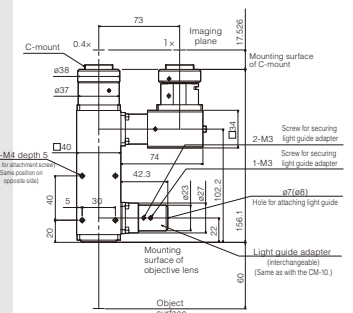
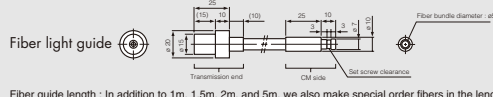
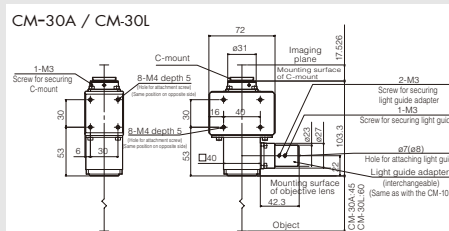
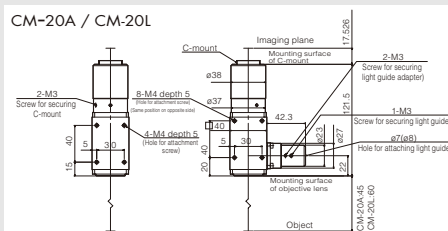
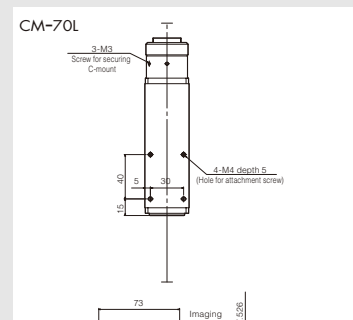
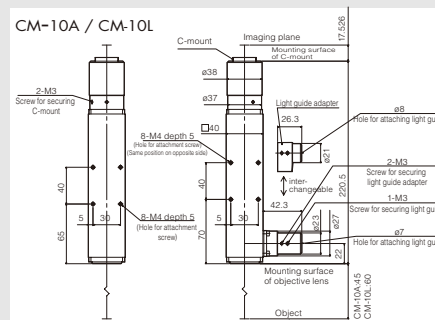
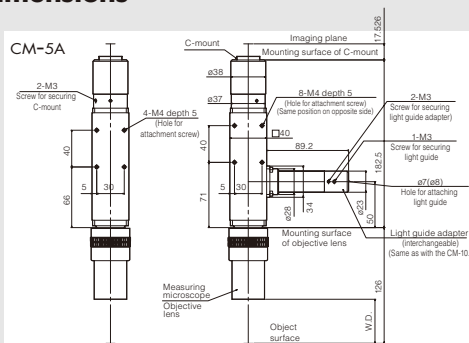
Specifications

	CM-5A	CM-10A/CM-10L	CM-20A/CM-20L	CM-30A/CM-30L	CM-70L
Camera mount	C-mount (ENG mount possible as an option)				
Secondary objective power	—	1×	0.5×	1×	1× / 0.4×
Applicable object lenses	Measuring microscope objectives*	CF IC EPI Plan objectives/CFI 60 objectives			
Illumination optics	Koehler illumination (high-grade telecentric illumination)				
Number of attachment surfaces	3			4	3
Dimensions (W x D x H)	40×40×186.5mm	40×40×224.5mm	40×40×125.5mm	40×40×107.3mm	40×114×163.1mm
Weight	410g	440g	290g	400g	Approx. 700g

* Mountable lenses: Measuring microscope objective lens series 1x, 3x, 5x, 10x, 20x, 50x, 100x

* Objectives, fiber light guide, and light source are sold separately.

Dimensions



Notes (CM-70L) We recommend TV cameras used on the 0.4x end be 1/2 inch or less. With 2/3 inch TV cameras, the image will be cropped at the four corners of the screen.