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 lightweight 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 8mm bore for the light guide, but for CM-30A2/CM-30L2, only 8mm bore adapter is available.

Features of CM-70L
- Enables simultaneous observation at both high and low magnification
- Two TV cameras can be attached with C-mount
- High-intensity optical design realizes the minimal light loss of bifurcation optics

Specifications

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<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>Camera mount</td>
<td>C-mount (ENG mount possible as an option)</td>
<td>1x</td>
<td>0.5x</td>
<td>1x</td>
<td>1x / 0.4x</td>
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<tr>
<td>Magnification</td>
<td>—</td>
<td>1x</td>
<td>0.5x</td>
<td>1x</td>
<td>1x / 0.4x</td>
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<tr>
<td>Applicable objective lenses</td>
<td>Measuring microscope objectives*</td>
<td>CF IC EPI Plan objectives/CFI 60 objectives</td>
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<tr>
<td>Illumination optics</td>
<td>Koehler illumination (high-grade telecentric illumination)</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Number of attachment surfaces</td>
<td>3</td>
<td>4</td>
<td>3</td>
<td></td>
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<tr>
<td>Dimensions (W x D x H)</td>
<td>40x40x186.5mm</td>
<td>40x40x224.5mm</td>
<td>40x40x125.5mm</td>
<td>40x40x107.3mm</td>
<td>40x114x163.1mm</td>
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<tr>
<td>Weight</td>
<td>410g</td>
<td>440g</td>
<td>290g</td>
<td>400g</td>
<td>Approx. 700g</td>
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</table>

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

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

Dimensions

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Nikon Engineering Co., Ltd