

Alpha - Standard, Infinimite Video Lens

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Stock #55-717 **1 In Stock**

⊖ 1 ⊕ A\$1,776⁰⁰

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General

Variable Magnification Lens **Type:**

Physical & Mechanical Properties

63.00 **Length (mm):**

35.0 **Maximum Diameter (mm):**

Optical Properties

Horizontal Field of View, 1/2" Sensor:
8.5 - 80mm

Horizontal Field of View, 1/3" Sensor:
6.4 - 60mm

System Magnification:
31X - 3.3X, 1/2" Sensor and 13" Monitor

Primary Magnification PMAG:
0.75X - 0.08X

Working Distance (mm):
25 - ∞

Sensor

Maximum Sensor Format:
2/3"

Threading & Mounting

Filter Thread:
M27 x 0.75

Mount:
C-Mount

Regulatory Compliance

RoHS 2015:
[Compliant](#)

Reach 224:
[Compliant](#)

Certificate of Conformance:
[View](#)

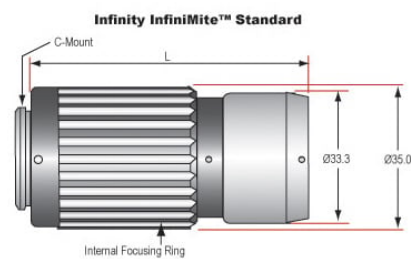
Product Details

- 3 Primary Magnification Range Options
- Working Distance from 25mm to Infinity
- Optional [LDL](#) Doubler Tube Boosts Magnification 2X

The InfiniMite™ Imaging Lenses are available in 3 lens power ranges. The standard version uses an integral focus lock as a friction brake to lock the magnification/focus setting in place. Designed with input from specialists in the field, its miniature size allows the InfiniMite™ to be integrated into a wide variety of electronic imaging conditions. The length of the lens does not change when focusing. InfiniMite™ Imaging Lenses were designed to provide specific working distance and field of view combinations when using 1/3" format sensors, but the lenses can be used with sensors up to 2/3" format.

The main lens, the Alpha, covers a 0.75- 0.08X range for macro use, whereas the Beta and Gamma versions offer a working distance (WD) shift from the high-magnification end of the Alpha. For example, with a 1/2" sensor, the Alpha gives a 1/2" field of view (FOV) at 40mm WD at 0.5X Lens magnification (PM); at the same PM & FOV, the Beta has a 60mm WD and the Gamma has a 122mm WD. The three lens options offer unprecedented flexibility in system integration.

Technical Information



Units: mm

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|----------------------------------|-------|--------|--------|--------|--------|--------|--------|
| Working Distance | 25mm | 40mm | 60mm | 80mm | 170mm | 230mm | 295mm |
| Primary Magnification | 0.75X | 0.50X | 0.33X | 0.25X | 0.13X | 0.10X | 0.08X |
| Field of View, 1/2" Sensor Horiz | 8.5mm | 12.8mm | 19.4mm | 25.6mm | 51.2mm | 64.0mm | 80.0mm |
| Field of View, 1/3" Sensor Horiz | 6.4mm | 9.6mm | 14.5mm | 19.2mm | 38.4mm | 48.0mm | 60.0mm |

| | | | | | | | |
|----------------------------------|-------|--------|--------|--------|--------|--------|--------|
| Working Distance | 55mm | 60mm | 90mm | 120mm | 240mm | 317mm | 400mm |
| Primary Magnification | 0.66X | 0.50X | 0.33X | 0.25X | 0.13X | 0.10X | 0.08X |
| Field of View, 1/2" Sensor Horiz | 9.7mm | 12.8mm | 19.4mm | 25.6mm | 49.2mm | 64.0mm | 80.0mm |
| Field of View, 1/3" Sensor Horiz | 7.3mm | 9.6mm | 14.5mm | 19.2mm | 36.9mm | 48.0mm | 60.0mm |

| | | | | | | |
|----------------------------------|--------|--------|--------|--------|--------|--------|
| Working Distance | 122mm | 165mm | 213mm | 396mm | 515mm | 640mm |
| Primary Magnification | 0.50X | 0.33X | 0.25X | 0.13X | 0.10X | 0.08X |
| Field of View, 1/2" Sensor Horiz | 12.8mm | 19.4mm | 25.6mm | 51.2mm | 64.0mm | 80.0mm |
| Field of View, 1/3" Sensor Horiz | 9.6mm | 14.5mm | 19.2mm | 38.4mm | 48.0mm | 60.0mm |

