

# Alpha - Standard, Infinimite Video Lens

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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](#)

**Country of Origin:**  
United States

**Imported By:**  
Edmund Optics India Private Limited

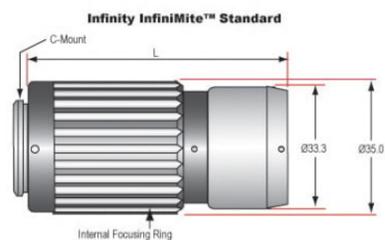
## Product Details

- 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

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
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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

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