

# 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

<b>Horizontal Field of View, 1/2" Sensor:</b>	8.5 - 80mm
<b>Horizontal Field of View, 1/3" Sensor:</b>	6.4 - 60mm
<b>System Magnification:</b>	31X - 3.3X, 1/2" Sensor and 13" Monitor
<b>Primary Magnification PMAG:</b>	0.75X - 0.08X
<b>Working Distance (mm):</b>	25 - ∞

## Sensor

<b>Maximum Sensor Format:</b>	2/3"
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## Threading & Mounting

<b>Filter Thread:</b>	M27 x 0.75
<b>Mount:</b>	C-Mount

## Regulatory Compliance

<b>RoHS 2015:</b>	Compliant
<b>Reach 224:</b>	Compliant
<b>Certificate of Conformance:</b>	<a href="#">View</a>

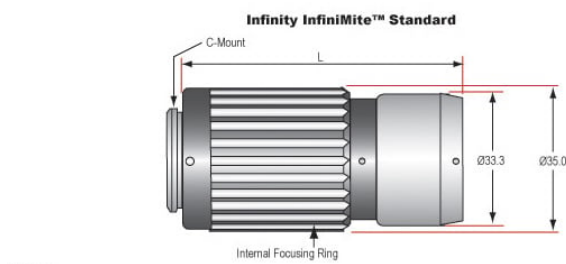
## Product Details

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

The InfiniMte™ 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 InfiniMte™ to be integrated into a wide variety of electronic imaging conditions. The length of the lens does not change when focusing. InfiniMte™ 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



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

