

# Beta - Standard, Infinimite Video Lens

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## SPECIFICATIONS

### General

Variable Magnification Lens

Type:

### Physical & Mechanical Properties

70.00

Length (mm):

|                                         |                                        |
|-----------------------------------------|----------------------------------------|
| 35.0                                    | Maximum Diameter (mm):                 |
| Optical Properties                      |                                        |
| 9.7 - 80mm                              | Horizontal Field of View, 1/2" Sensor: |
| 7.3 - 60mm                              | Horizontal Field of View, 1/3" Sensor: |
| 27X - 3.3X, 1/2" Sensor and 13" Monitor | System Magnification:                  |
| 0.66X - 0.08X                           | Primary Magnification PMAG:            |
| 55 - ∞                                  | Working Distance (mm):                 |
| Sensor                                  |                                        |
| 2/3"                                    | Maximum Sensor Format:                 |
| Threading & Mounting                    |                                        |
| M27 x0.50                               | Filter Thread:                         |
| C-Mount                                 | Mount:                                 |
| Regulatory Compliance                   |                                        |
| Compliant                               | RoHS 2015:                             |
| Compliant                               | Reach 224:                             |
| View                                    | Certificate of Conformance:            |

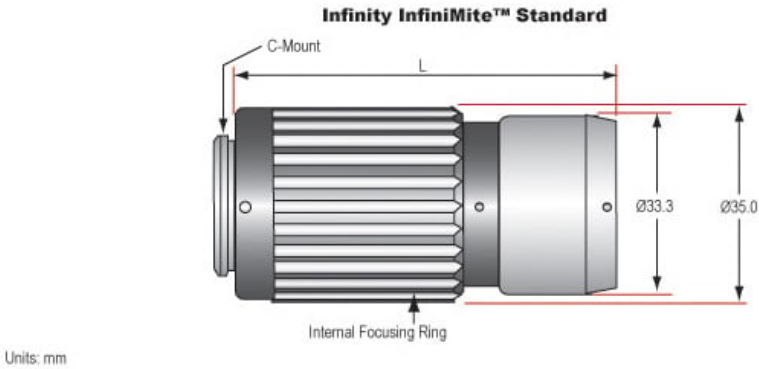
## PRODUCT DETAILS

- 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 ½" sensor, the Alpha gives a ½" 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, ½" 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, ½" 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 |

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