



| Lens Specifications - NMV - 8 | | | |
|-------------------------------|------------------------|-------------|--------------|
| Specifications | Value | 1/2" | 1/3" |
| Focal Length | f = 8mm | | |
| Maximum diameter (Ratio) | F = 1.4:1 ~ 16 ~ Close | | |
| Element | 6 gp. 7 Element | | |
| Picture Size | 6.6 x 8.8mm | 4.8 x 6.4mm | 3.6 x 4.8 mm |
| Angle - Vertical | 47.7 deg. | 34.6 deg. | 28.6 deg. |
| Horizontal | 64.2 deg. | 46.2 deg. | 34.5 deg. |
| Diagonal | 81.3 deg. | 58.1 deg. | 43.3 deg. |
| Distortion | -6.2% | -2.5% | -1.3% |
| Shooting Range - Vertical | 184mm | 129.3mm | 95.5mm |
| At Minimum - Horizontal | 260mm | 177.5mm | 129.3mm |
| Focus Distance - Diagonal | 356mm | 231.0mm | 165.1mm |
| Minimum Focus Distance | 0.1m | | |
| Flange Back | 17.526mm in air | | |
| Back Focus | 11.3mm in air | | |
| Filter Screw Size | m27.0 X 0.5 | | |
| Effective Diameter - Front | 17.4mm dia. | | |
| - Rear | 11.1mm dia. | | |
| Mount | C-Mount | | |
| Exit Pupil | -30.2mm dia. | | |
| Temperature Range | - 10 ~ + 45 deg. C | | |
| Strong Temperature Range | - 40 ~ + 60 deg. C | | |
| Resolution - Center | 100 Line/mm | | |
| - Corner | 40 Line/mm | | |

OUTLINE



LENS, 8.0mm FL, , 2/3", f/1.4

| | |
|-------------------------------------------------------------------------------------------------------|-----------|
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES | |
| SCALE: | 1.5:1 |
| WEIGHT: | See Table |
| DR: | BE |
| CH: | |
| PROJECT #: | E2338 |
| DATE DR: | 7/13/2007 |

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| THE CONTENTS OF THIS DOCUMENT ARE PROPRIETARY TO NAVITAR, ITS USE IS AUTHORIZED ONLY FOR RESPONDING TO REQUEST FOR QUOTATION OR PERFORMANCE OF WORK FOR NAVITAR | |
| 0.0 | 1.0 |
| inch | |
| 0.0 | 25.0 |
| mm | |
| DO NOT SCALE DRAWING | |

| | | | | |
|------|----------|----------------|-----|----------|
| SIZE | B | NMV - 8 | REV | A |
| | | SHEET 1 OF 1 | | |