

Lens Specifications - 1.1" 16mm F/1.8, 24MP

| Specifications              | 1.1"                | 1"            | 2/3"         |
|-----------------------------|---------------------|---------------|--------------|
| Focal Length                | f = 16mm            |               |              |
| Maximum diameter (Ratio)    | F = 1.8 - 16        |               |              |
| Picture Size                | 10.6 x 14.1 mm      | 9.6 x 12.8 mm | 6.6 x 8.8 mm |
| Angle                       |                     |               |              |
| - Vertical                  | 36.7 deg            | 33.4 deg      | 23.3 deg     |
| - Horizontal                | 48.0 deg            | 43.6 deg      | 30.8 deg     |
| - Diagonal                  | 58.3 deg            | 53.1 deg      | 37.9 deg     |
| Distortion                  | -0.4%               | -0.4%         | -0.3%        |
| FOV                         |                     |               |              |
| - Vertical                  | 77mm                | 70mm          | 48mm         |
| (@MOD) - Horizontal         | 102mm               | 93mm          | 64mm         |
| - Diagonal                  | 127mm               | 116mm         | 80mm         |
| Minimum Focus Distance      | 0.1m                |               |              |
| Flange Focus                | 17.526mm in air     |               |              |
| Back Focus                  | 11.9mm in air       |               |              |
| Filter Screw Size           | M35.5x0.5           |               |              |
| Clear Aperture Front / Rear | Ø26.5mm / Ø17.0mm   |               |              |
| Mount                       | C-Mount             |               |              |
| Exit Pupil                  | -58.9mm             |               |              |
| Temperature Range           | - 10 ~ + 50 deg. C  |               |              |
| Storage Temperature Range   | - 20 ~ + 60 deg. C  |               |              |
| Resolution Center / Corner  | 200lp/mm / 100lp/mm |               |              |
| Weight                      | 200g                |               |              |

# OUTLINE



UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES [MM] AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES

**PROPRIETARY AND CONFIDENTIAL**

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SCALE: 1:1

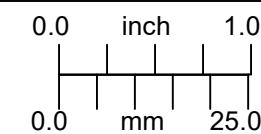
WEIGHT: SEE TABLE

DR BY: PB

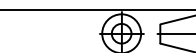
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PROJECT #:

DATE DR: 11/12/2018



DO NOT SCALE DRAWING



LENS, 16mm, F/1.8, 1.1", 24MP C-MNT

|          |                   |          |
|----------|-------------------|----------|
| SIZE     | PART NUMBER       | REV      |
| <b>B</b> | <b>NMV-16M1.1</b> | <b>C</b> |