

# Megapixel Machine Vision Lens

## M118FM16

- Lens for Megapixel Cameras
- Higher Close Up Capability
- ultra low minimum Object distance
- Compact Design



|  |                        |               |
|--|------------------------|---------------|
| P/N                                      | M118FM16               |               |
| Imager size                              | 1/1.8"                 |               |
| Mount                                    | C-Mount                |               |
| Focal length                             | 16mm                   |               |
| Aperture                                 | F/ 1.4                 |               |
| Angle of View<br>(horizontal x vertical) | 1/1.8"                 | 25.9° x 19.5° |
|  | 1/2"                   | 22.8° x 17.1° |
|  | 1/3"                   | 17.1° x 12.9° |
| Focusing range                           | 0.10m - ∞              |               |
| Operation                                | Focus                  | Manual w/lock |
|  | Iris                   | Manual w/lock |
| Filter size                              | M25.5mm P=0.5mm        |               |
| Back focus (in air)                      | 12.17mm                |               |
| Exit Pupil Position                      | -30.5mm                |               |
| Optical Construction                     | 9 groups / 10 elements |               |
| Distortion                               | -0.7% (distance 0.5m)  |               |
| Optical Overall Length                   | 24.10mm                |               |
| Maximum Diameter                         | 29mm                   |               |
| Weight                                   | 39g                    |               |
| Operating Temperature                    | -10 ~ 60°C             |               |

