

**POMEAS 2/3" FA Lens Series:**  
10MP: PMS-35MC10M



**Product Introduction**

- ◆ High resolution.
- ◆ Multi layer coating, high transmittance, effective suppression of stray light.
- ◆ Compact structure, small shape, more suitable for integrated application.
- ◆ Anti vibration and anti impact function.

**Product Application**

Widely used in machine vision, production automation and other industries.

| PMS-35MC10M                                   |       | Product Parameter  |  |
|---|-------|--------------------|--|
| Model   |       | PMS-35MC10M        |  |
| Sensor Size                                   |       | 2/3"(11mm)         |  |
| Wavelength                                    |       | 420~1000nm         |  |
| Focal Length                                  |       | 35mm               |  |
| Interface                                     |       | C-Mount            |  |
| Iris  |       | F2.8-16            |  |
| FOV(Diagonal, Horizontal, Vertical)           | 2/3"  | 18.39°×14.8°×11.1° |  |
|   | 1/2"  | 13.4°×10.8°×8.1°   |  |
|   | 1/3"  | 10.1°×8.1°×6.1°    |  |
| Object Size(At the closest focusing distance) | 2/3"  | 54.1×43.3×32.5mm   |  |
|   | 1/2"  | 39.3×31.5×23.6mm   |  |
|   | 1/3"  | 29.5×23.6×17.7mm   |  |
| Back Focal Length (In Air)                    |       | 13.63mm            |  |
| Operation Mode                                | Focus | Manual             |  |
|   | Iris  | Manual             |  |
| Distortion                                    | 2/3"  | -0.172%@y=5.5mm    |  |
|   | 1/2"  | -0.077%@y=4.0mm    |  |
|   | 1/3"  | -0.045%@y=3.0mm    |  |
| Focus Range                                   |       | 0.20m~∞            |  |
| Filter Thread Diameter                        |       | M27×P0.5           |  |
| Working Temperature                           |       | -20°C~+60°C        |  |

| Extension Ring(mm) | Working Distance | Magnification | FOV       |           |           |           |
|--------------------|------------------|---------------|-----------|-----------|-----------|-----------|
|                    |                  |               | 2/3"      |           | 1/2"      |           |
|                    |                  |               | H(8.45mm) | V(7.07mm) | H(6.22mm) | V(4.67mm) |
| 0                  | 1000mm           | -0.03513X     | 241.13    | 200.42    | 175.36    | 145.76    |
|                    | 950mm            | -0.03704X     | 228.65    | 190.05    | 166.29    | 138.22    |
|                    | 900mm            | -0.03918X     | 216.19    | 179.69    | 157.23    | 130.68    |
|                    | 850mm            | -0.04158X     | 203.73    | 169.33    | 148.16    | 123.15    |
|                    | 800mm            | -0.04429X     | 191.26    | 158.97    | 139.10    | 115.61    |
|                    | 750mm            | -0.04737X     | 178.80    | 148.61    | 130.04    | 108.08    |
|                    | 700mm            | -0.05092X     | 166.33    | 138.25    | 120.97    | 100.54    |
|                    | 650mm            | -0.05505X     | 153.86    | 127.88    | 111.90    | 93.01     |
|                    | 600mm            | -0.05991X     | 141.39    | 117.52    | 102.83    | 85.47     |
|                    | 550mm            | -0.06569X     | 128.93    | 107.16    | 93.77     | 77.94     |
|                    | 500mm            | -0.07273X     | 116.45    | 96.79     | 84.69     | 70.39     |
|                    | 450mm            | -0.08145X     | 103.99    | 86.44     | 75.63     | 62.86     |
|                    | 400mm            | -0.09255X     | 91.53     | 76.07     | 66.57     | 55.32     |
|                    | 350mm            | -0.10714X     | 79.06     | 65.69     | 57.50     | 47.78     |
|                    | 300mm            | -0.12720X     | 66.59     | 55.34     | 48.43     | 40.25     |
| 250mm              | -0.15650X        | 54.12         | 44.98     | 39.36     | 32.72     |           |
| 200mm              | -0.20333X        | 41.66         | 34.62     | 30.29     | 25.18     |           |
| 3                  | 150mm            | -0.28202X     | 30.03     | 24.96     | 21.84     | 18.15     |

