



KLT-A6K-IMX166-3026

SONY IMX166 MIPI Interface Auto Focus 8MP Camera Module



Camera Module No.	KLT-A6K-IMX166-3026
Image Sensor	IMX166
EFL	3.85 mm
F.NO	2.2
Pixel	3264 x 2448
View Angle	72.9°
Lens Type	1/3.2 inch
Lens Dimensions	8.5 x 8.5 x 5.6 mm
Module Size	18.13 x 16 mm
Module Type	Auto Focus
Interface	MIPI
IMT Lens Model	IMT-1A65H003-N

Mating Connector Part No. BAF04-24083-0500



Mating Connector On Main Board. Sold Separately.

IMT-1A65H003-N

1/3.2" 8MP COB F2.2 DFOV 72.9 Degree M6.5 Lens



Lens Model	IMT-1A65H003-N
Sensor Format	1/3.2"
Resolution	8 MP
Sensor Type	COB
Structure	5P
Max Image Circle	Ø5.7
F/NO.	2.2 +/- 5%
EFL (mm)	3.85
TTL (mm)	4.5
FOV	Field of View
Diagonal DFOV	72.9°
Horizontal HFOV	61.1°
Vertical VFOV	47.9°
TV Distortion	<1.5%
CRA	<32.4°
Lens Filter	None
Barrel	M6.5*P0.25

IMT-1A65H003-N

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IMT Lens on
the real
Camera



KLT is our
Camera
Modules
Design and
Manufacture
Partner

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