Reference Recognition Distances for Different Camera Models

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Note: The target object model is 1.8m × 0.8m. The following data is for reference only and does not account for partial module distortion. Actual performance should be based on the specific recognition algorithm.

Chip Mdel	Lens HFOV	Depth of Field Range	Recognition Distance for 32×32 Pixels	Recognition Distance for 20×20 Pixels
1MP AR0144/OX01F10	H30°A	2.2m-INF	50m	80m
	H60°F1	0.9m-INF	30m	47m
	H120°X	0.1m-INF	10m	17m
	H19°0X	0.1m-INF	7m	12m
2MP AR0233/OX03C/IMX390	H30°X	8.4m-INF	90m	146m
	H60°F	2.4m-INF	48m	77m
	H100°F1	0.9m-INF	30m	47m
	H190°X	0.13m-INF	12m	20m
	H60°MA	2.1m-INF	48m	77m
	H100°MA	0.8m-INF	28m	45m
3MP ISX031/IMX623/OX03J	H30°X	8.4m-INF	90m	146m
	H60°FA	2.4m-INF	48m	77m
	H100°F1A	0.9m-INF	30m	47m
	H120°UA	0.5m-INF	25m	40m
	H190°XA	0.13m-INF	12m	20m
	H60°MA	2.1m-INF	48m	77m
	H100°MA	0.8m-INF	28m	45m
8MP AR0820/IMX728/OX08B/OX08D	H30°YA	23m-INF	182m	291m
	H60°SA	5.5m-INF	93m	150m
	H120°YA	1.6m-INF	47m	76m