

OPTRON XHR-SERIES

Machine Vision / Factory Automation Lenses



KEY FEATURES

- 3MP High resolution and low distortion
- Focal lengths from 6mm to 75mm
- 1/1.8", 2/3" and 1" formats
- Accurate focus and iris scales
- Focus and iris positional lock screws
- C-mount

LENS MODEL	XHR4-0060160-34-3	XHR4-0080140-27-3	XHR5-0120160-27-3	XHR5-0160160-27-3	XHR5-0250180-27-3	XHR5-0350200-27-3	XHR5-0500260-30.5-3	XHR6-0750280-34-3
Focal Length	6.0mm	8.0mm	12mm	16mm	25mm	35mm	50mm	75mm
Aperture	F1.6 ~ 16	F1.4 ~ 16	F1.6 ~ 16	F1.6 ~ 16	F1.8 ~ 16	F2.0 ~ 16	F2.5 ~ 16	F2.8 ~ 16
Iris	Manual	Manual	Manual	Manual	Manual	Manual	Manual	Manual
Focus	Manual	Manual	Manual	Manual	Manual	Manual	Manual	Manual
Optical Distortion	-2%	-1%	-1%	-1%	-0.50%	-0.50%	-0.10%	-0.20%
M.O.D. (mm)	100	100	100	200	300	350	500	600
B.F.L. (mm)	7.94	8.91	8.06	10.07	9.46	10.14	16.36	14.31
F.O.V. (H°xV°)								
1"	-	-	-	-	-	-	-	9.2 x 6.9
2/3"	-	-	39 x 30	29.5 x 22.6	19 x 14	14 x 10	9.7 x 7.3	6.3 x 4.8
1/1.8"	60.1 x 46.6	46 x 35.5	32.2 x 24.4	24.5 x 18	15.4 x 11.6	11.5 x 8.7	7.9 x 5.9	5.2 x 3.9
1/2"	54.6 x 42.1	41.5 x 31.7	29 x 22	21.7 x 16.5	13.8 x 10.4	10.3 x 7.7	7 x 5.3	4.6 x 3.5
Mount Type	C	C	C	C	C	C	C	C
Filter Thread (Ø x pitch)	34 x 0.5	27 x 0.5	27 x 0.5	27 x 0.5	27 x 0.5	27 x 0.5	30.5 x 0.5	34 x 0.5
Dimensions (Ø x L) mm	36 x 44.77	29 x 37.94	29.5 x 37.31	29 x 40.ss	29 x 35.84	29 x 35.2	32.5 x 55.67	36 x 59.97
Weight (g)	104.6	90	95.3	103.6	81.6	80.2	108.6	143

* Due to the ongoing improvements in design technology and manufacturing, specifications are subject to change without notice.

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