

Lens for C-mount Cameras

SV-V Series

- Standard CCTV lens.
- Lineup of 11 models with focal lengths ranging from 3.5 to 100 mm.
- Lock screws for focus and iris.
- More robust structure designed for machine vision.
- Lower distortion and higher resolution than previous CCTV lenses.



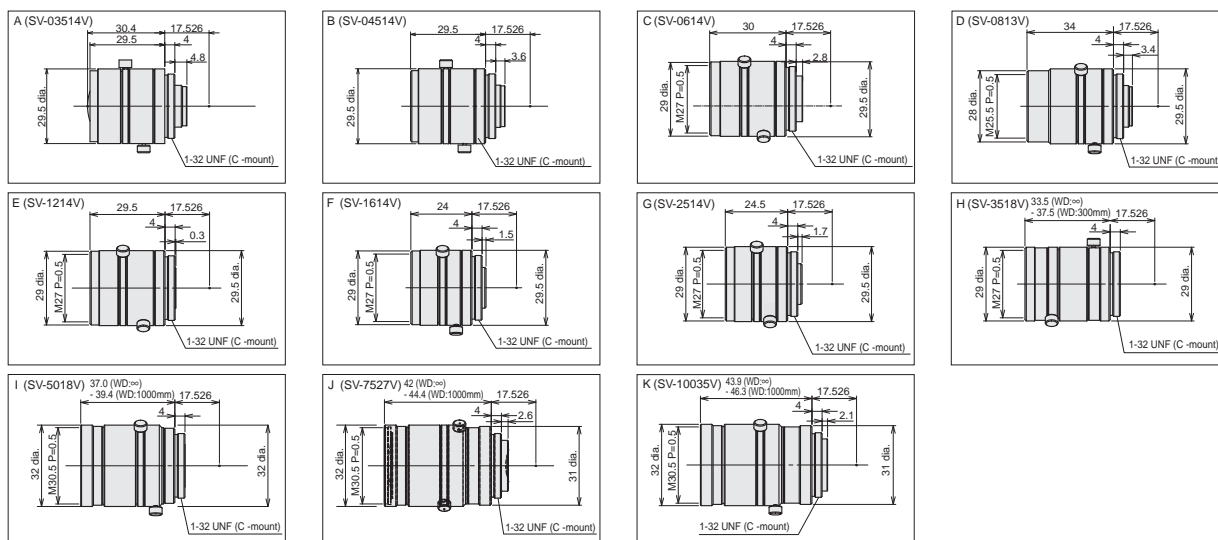
Ordering Information

Recommended camera	Model	Dimensions	Focal distance (mm)	Aperture (F No)	Field of view (V × H)	Closest distance (mm)	Filter size	Weight (g)	Total length (mm)	Maximum compatible CCD
FZ-S□ FZ-SH□ FH-S□ FH-S□X FHV7X-□*	3Z4S-LE SV-03514V	A	3.5	1.4 to Close	77.8°×105.9°	200	-	53	30.4	1/3 inch
	3Z4S-LE SV-04514V	B	4.5	1.4 to Close	59.7°×79.9°	200	-	53	29.5	1/3 inch
	3Z4S-LE SV-0614V	C	6	1.4 to Close	42.3°×54.6°	200	M27.0 P0.5	49	30	1/3 inch
	3Z4S-LE SV-0813V	D	8	1.3 to Close	44.6°×57.3°	200	M25.5 P0.5	55	34	1/3 inch
	3Z4S-LE SV-1214V	E	12	1.4 to Close	21.9°×38.9°	300	M27.0 P0.5	44	29.5	1/3 inch
	3Z4S-LE SV-1614V	F	16	1.4 to Close	22.8°×30.1°	400	M27.0 P0.5	34	24	1/3 inch
	3Z4S-LE SV-2514V	G	25	1.4 to Close	14.9°×19.8°	500	M27.0 P0.5	36	24.5	1/3 inch
	3Z4S-LE SV-3518V	H	35	1.8 to Close	10.8°×14.4°	300	M27.0 P0.5	47	33.5 to 37.5	1/3 inch
	3Z4S-LE SV-5018V	I	50	1.8 to Close	7.9°×10.5°	1000	M30.5 P0.5	67	37.0 to 39.4	1/3 inch
	3Z4S-LE SV-7527V	J	75	2.7 to Close	3.6°×4.8°	1000	M30.5 P0.5	76	42.0 to 44.4	1/3 inch
	3Z4S-LE SV-10035V	K	100	3.5 to Close	2.9°×3.8°	1000	M30.5 P0.5	79	43.9 to 6.3	1/3 inch

*The SV-V Series can be used with the FHV7 Smart Camera with 0.4 or 1.6 million pixels.

Dimensions

(Unit:mm)



Specifications

Mounting	C mount
Ambient temperature	Operating: 0 to 50°C, Storage: -10 to 60°C (with no icing or condensation)
Ambient humidity	Operating: 35% to 80%, Storage: 35% to 90% (with no condensation)

Optical Chart

Refer to page 91 and 98.

High-resolution Lens for C-mount Cameras

SV-H/V/S-H1 Series

- High-resolution lens for megapixel camera.
- Lineup of 7 models for 2/3-inch cameras, with focal lengths ranging from 6 to 100 mm, and 9 models for 1-inch cameras.
- Lock screws for focus and iris.
- Short expose time with bright F number of 1.4 for high-speed CMOS cameras.
- Compact design but minimized decrease in distortion and brightness.



SV-H Series for 2/3-inch image sensor



VS-H1 Series for 1-inch image sensor

Ordering Information

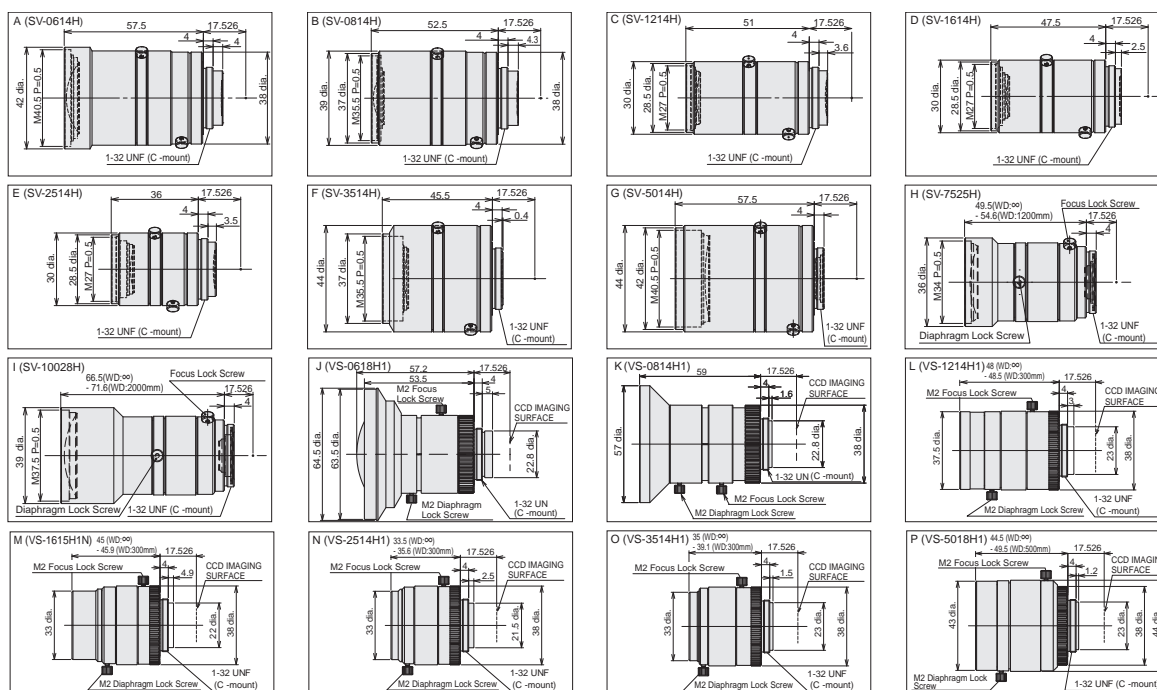
Recommended camera	Model	Dimensions	Focal distance (mm)	Aperture (F No)	Field of view (V × H)	Closest distance (mm)	Filter size	Weight (g)	Total length (mm)	Maximum compatible CCD
FZ-S□2M FZ-S□5M3 FH-S□05R FH-S□X01 FH-S□X03 FH-S□X05 FHV7X-□	3Z4S-LE SV-0614H	A	6	1.4 to 16	56.8°×71.5°	100	M40.5 P0.5	145	57.5	2/3 inch
	3Z4S-LE SV-0814H	B	8	1.4 to 16	44.9°×57.6°	100	M35.5 P0.5	125	52.5	2/3 inch
	3Z4S-LE SV-1214H	C	12	1.4 to 16	30.2°×39.6°	100	M27 P0.5	85	51	2/3 inch
	3Z4S-LE SV-1614H	D	16	1.4 to 16	23.1°×30.6°	100	M27 P0.5	85	47.5	2/3 inch
	3Z4S-LE SV-2514H	E	25	1.4 to 16	15.0°×20.0°	150	M27 P0.5	65	36	2/3 inch
	3Z4S-LE SV-3514H	F	35	1.4 to 16	10.8°×14.3°	200	M35.5 P0.5	150	45.5	2/3 inch
	3Z4S-LE SV-5014H	G	50	1.4 to 16	7.5°×10.0°	300	M40.5 P0.5	170	57.5	2/3 inch
	3Z4S-LE SV-7525H	H	75	2.5 to Close	8.6°×8.6° *	1200	M34.0 P0.5	85	49.5 to 54.6	1 inch
	3Z4S-LE SV-10028H	I	100	2.8 to Close	6.6°×6.6° *	2000	M37.5 P0.5	105	66.5 to 71.6	1 inch
FH-S□02 FH-S□04	3Z4S-LE VS-0618H1	J	6	1.8 to 16	87.3°×87.3°	100	NA	200	57.2	1 inch
	3Z4S-LE VS-0814H1	K	8	1.4 to 16	71.8°×71.8°	100	M55.0 P0.75	170	59	1 inch
	3Z4S-LE VS-1214H1	L	12	1.4 to 16	50.8°×50.8°	300	M35.5 P0.5	140	48 to 48.5	1 inch
	3Z4S-LE VS-1614H1N	M	16	1.4 to 16	38.6°×38.6°	300	M30.5 P0.5	120	45.0 to 45.9	1 inch
	3Z4S-LE VS-2514H1	N	25	1.4 to 16	25.1°×25.1°	300	M30.5 P0.5	90	33.5 to 35.6	1 inch
	3Z4S-LE VS-3514H1	O	35	1.4 to 16	18.3°×18.3°	300	M30.5 P0.5	100	35.0 to 39.1	1 inch
	3Z4S-LE VS-5018H1	P	50	1.8 to 16	12.8°×12.8°	500	M40.5 P0.5	135	44.5 to 49.5	1 inch

*A field of view captured by a 1-inch CCD.

Note: The FH-S□02/FH-S□04 with a focal length of 75 mm or 100 mm can be used with the 3Z4S-LE SV-7525H or 3Z4S-LE SV-10028H, respectively.

Dimensions

(Unit:mm)



Specifications

Mounting	C mount
Ambient temperature	Operating: 0 to 50°C, Storage: -10 to 60°C (with no icing or condensation)
Ambient humidity	Operating: 35% to 80%, Storage: 35% to 90% (with no condensation)

Optical Chart

Refer to page 92, 93, 98 and 99.