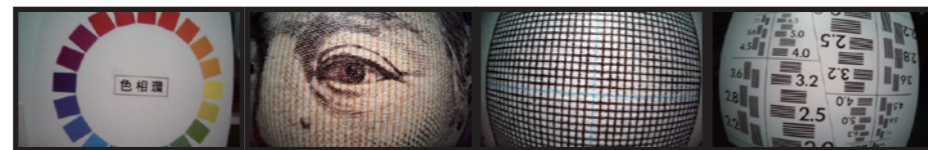




## Sumita Endoscope Lens

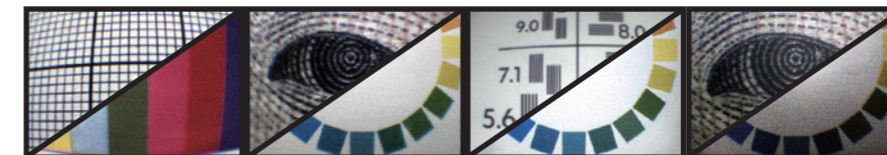
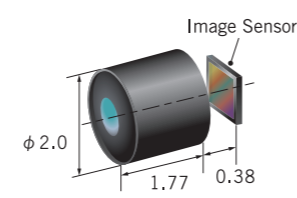
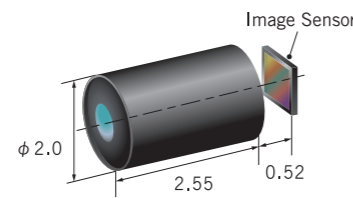
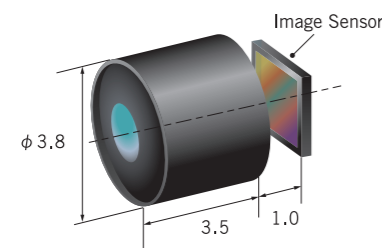
All the lenses are aspheric lenses, enabling bright and deep depth-of-field.  
1/18 lenses are ideal for small-diameter endoscopes for medical and industrial use.



1/6 SEL140-038

1/11 SEL140-020L

1/11 SEL140-020

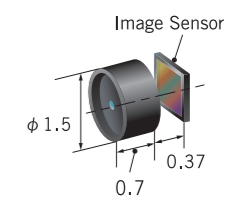
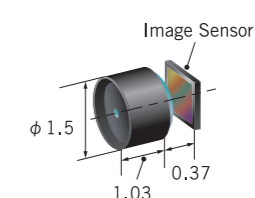
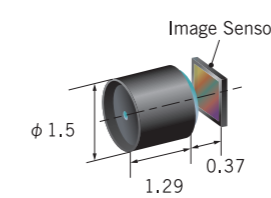
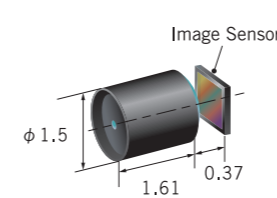


1/18 SEL080-015D

1/18 SEL100-015D

1/18 SEL120-015D

1/18 SEL100-015S



	1/6 Series		1/11 Series	
Model	1/6 SEL140-038	1/11 SEL140-020L	1/11 SEL140-020	
CMOS size	1/6 inch		1/11 inch	
Image circle	3.1 mm		1.49 mm	
Object distance	8 mm			
Depth of field	5 mm - 80 mm		3 mm - 100 mm	
Angle of view	140°		140°	
F-number*2	4.5		5.5	
Back focus*3	1.0 mm	0.52 mm	0.38 mm	
Distortion	<50%		<50%	
Relative illumination	>45%		>50%	
Chief ray angle	<35°		<33°	
Outer diameter	φ 3.8 mm	φ 2 mm (Changeable)		
Total length	3.5 mm	2.55 mm	1.77 mm	
IR cut filter	Included			
Lens Unit Cover Glass	Included			

\*1 Suitable for OmniVision's OH02A1S / OV2740(1/6), OH01A10(1/11) \*2 F-number is adjustable upon request. \*3 The measured distance between an image sensor plane and the rearmost glass element in the attached lens. \*4 Above are only our standard specifications. Custom specifications are available upon request. \*4 Specifications may change without notice.

	1/18 Series			
Model	1/18 SEL080-015D	1/18 SEL100-015D	1/18 SEL120-015D	1/18 SEL100-015S
CMOS size	1/18 inch			
Image circle	1.0 mm			
Object distance	8 mm			
Depth of field	3 mm - 100 mm			
Angle of view	80°	100°	120°	100°
F-number*2	5.5			
Back focus*3	0.37 mm			
Distortion	<20%	<32%	<46%	<24%
Relative illumination	>80%	>70%	>60%	>50%
Chief ray angle	<25°			
Outer diameter	φ 1.5 mm			
Total length	1.61 mm	1.29 mm	1.03 mm	0.7 mm
IR cut filter	Not included			
Lens Unit Cover Glass	Included			

\*1 Suitable for OmniVision's OV6946 \*2 F-number is adjustable upon request. \*3 The measured distance between an image sensor plane and the rearmost glass element in the attached lens. \*4 Above are only our standard specifications. Custom specifications are available upon request. \*5 Specifications may change without notice.