



**For Security**  
**Vari-Focal**

# YV2.2×1.4A-2

Applicable camera (model)

1	2/3	1/2	1/3	1/4

**VARI**  
Vari-Focal

**Fish-Eye**  
185°  
Fisheye

**MANUAL**  
Manual Iris

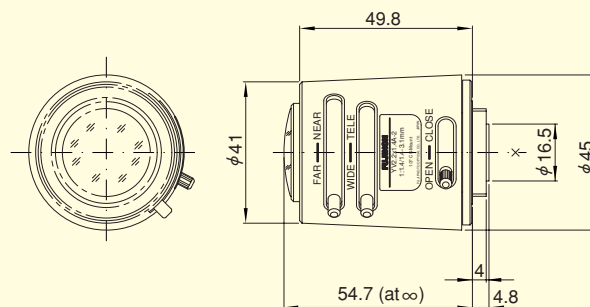
**CS-mt**  
CS Mount

**F1.4**  
Wide Aperture  
Rate

**2.2×**



- Fish-eye vari-focal lens with the horizontal field angle of 185-94 degrees (when used on 1/2 cameras)
- Wide aperture of F1.4, optimizing the performance at low lighting intensity

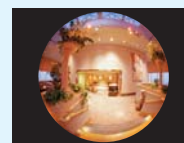


Unit : mm

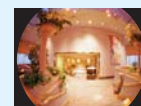
Focal Length (mm)			1.4~3.1 (2.2×
Iris Range			F1.4 ~ Close
Operation	Zoom		Manual
	Focus		Manual
	Iris		Manual
Angle Of View (H×V)	1/3"	WIDE	185° (φ3.45)
		TELE	94°47′ × 69°26′
	1/4"	WIDE	185° × 121°
		TELE	69°26′ × 51°30′
Focusing Range (From Front Of The Lens) (m)			∞ ~ 0.2
Object Dimensions at M.O.D. (H×V) (mm)	1/3"	WIDE	—
		TELE	448 × 287
	1/4"	WIDE	—
		TELE	287 × 200
Back Focal Distance (in air) (mm)			7.82
Exit Pupil Position (From Image Plane) (mm)			−45
Filter Thread (mm)			—
Mount			CS
Mass (g)			70
Remarks			

[Fisheye Lens Image]

1/3"



1/4"





**For Security**  
**Vari-Focal**

# YV2.2×1.4A-SA2

Applicable camera (model)

1	2/3	1/2	1/3	1/4

**VARI**  
Vari-Focal

**Fish-Eye**  
185°  
Fisheye

**DC**  
DC Auto Iris

**CS-mt**  
CS Mount

**ND**  
ND Filter

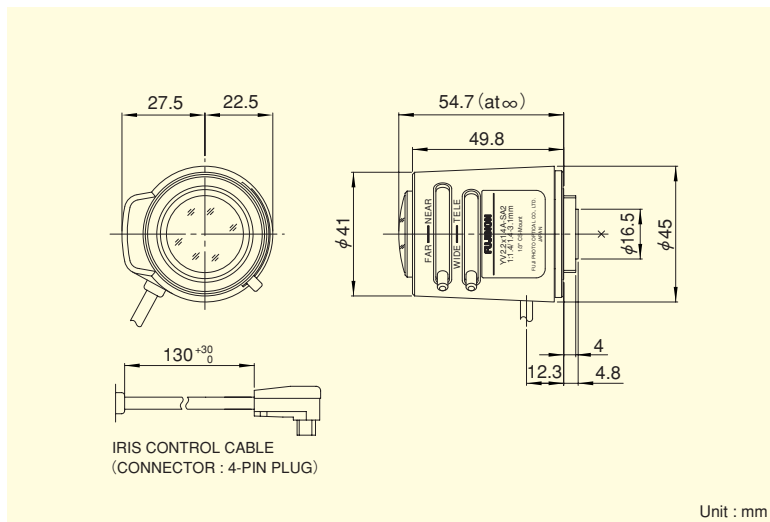
**230**  
Long Cable

**F1.4**  
Wide Aperture Rate

**2.2×**



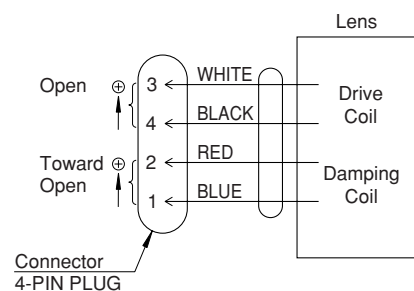
- Fish-eye vari-focal lens with the horizontal field angle of 185-94 degrees (when used on 1/3 cameras)
- Wide aperture of F1.4, optimizing the performance at low lighting intensity
- Built-in ND filter of T360, supporting super sensitive cameras



Unit : mm

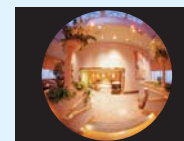
Focal Length (mm)			1.4~3.1 (2.2×	
Iris Range			F1.4 ~ T360 (Equivalent to F360)	
Operation	Zoom		Manual	
	Focus		Manual	
	Iris		Auto (DC Type) (*1)	
Angle Of View (H×V)	1/3"	WIDE	185° (φ3.45)	
		TELE	94°47' × 69°26'	
	1/4"	WIDE	185° × 121°	
		TELE	69°26' × 51°30'	
Focusing Range (From Front Of The Lens) (m)			∞ ~ 0.2	
Object Dimensions at M.O.D. (H×V) (mm)	1/3"	WIDE	—	
		TELE	448 × 287	
	1/4"	WIDE	—	
		TELE	287 × 200	
Back Focal Distance (in air) (mm)			7.82	
Exit Pupil Position (From Image Plane) (mm)			-45	
Filter Thread (mm)			—	
Mount			CS	
Mass (g)			80	
Coil Resistance			Drive Coil	200Ω
			Damping Coil	600Ω
Current Consumption			22mA (Max.) at DC 4V	
Remarks			(*1) When power is turned off, iris will automatically be closed. YV2.2×1.4A-SA2L : Long Cable Type (230mm)	

## Wiring

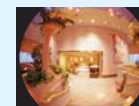


[Fisheye Lens Image]

1/3"



1/4"





**For Security**  
**Vari-Focal**

Applicable camera (model)

**YV2.7×2.9LA-2**

1	2/3	1/2	1/3	1/4
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**VARI**  
Vari-Focal

**WIDE**  
Wide Angle

**MANUAL**  
Manual Iris

**CS-mt**  
CS Mount

**METAL**  
Metal Mount

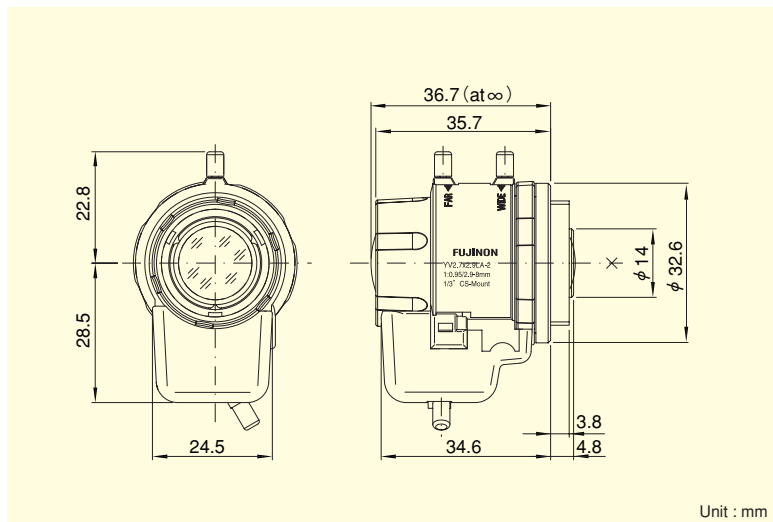
**AT**  
Aspherical Lens

**F0.95**  
Wide Aperture Rate

**2.7×**



- Unparalleled brightness at the maximum aperture of F0.95, optimizing the performance at low lighting intensity
- Super wide angle spec, WIDE2.9mm, achieving the horizontal field angle of 93 degrees (when used on 1/3 cameras)
- Compact and lightweight design, best suited for the use with dome cameras
- High accuracy aspheric lens adopted, achieving the high quality image



Unit : mm

Focal Length (mm)			2.9~8 (2.7×
Iris Range			F0.95 ~ Close
Operation	Zoom		Manual
	Focus		Manual
	Iris		Manual
Angle Of View (H×V)	1/3"	WIDE	93°34′ × 68°46′
		TELE	34°53′ × 26°09′
	1/4"	WIDE	68°42′ × 51°12′
		TELE	26°06′ × 19°36′
Focusing Range (From Front Of The Lens) (m)			∞ ~ 0.3
Object Dimensions at M.O.D. (H×V) (mm)	1/3"	WIDE	650 × 422
		TELE	194 × 143
	1/4"	WIDE	488 × 317
		TELE	146 × 107
Back Focal Distance (in air) (mm)			7.7
Exit Pupil Position (From Image Plane) (mm)			62
Filter Thread (mm)			—
Mount			CS
Mass (g)			35
Remarks		•Metal Mount	



**For Security**  
**Vari-Focal**

# YV2.7×2.9LA-SA2

Applicable camera (model)

1	2/3	1/2	1/3	1/4
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**VARI**  
Vari-Focal

**WIDE**  
Wide Angle

**DC**  
DC Auto Iris

**CS-mt**  
CS Mount

**METAL**  
Metal Mount

**ND**  
ND Filter

**230**  
Long Cable

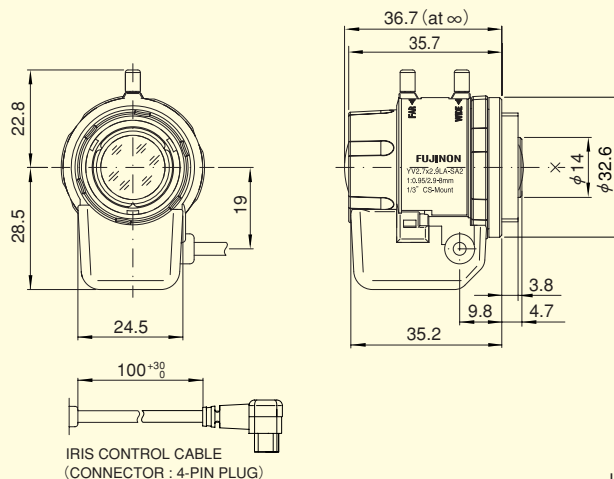
**AT**  
Aspherical Lens

**F0.95**  
Wide Aperture Rate

**2.7×**



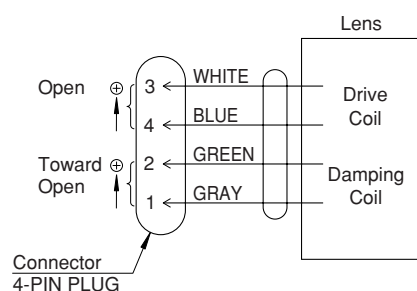
- Unparalleled brightness at the maximum aperture of F0.95, optimizing the performance at low lighting intensity
- Super wide angle spec, WIDE2.9mm, achieving the horizontal field angle of 93 degrees (when used on 1/3 cameras)
- Compact and lightweight design, best suited for the use with dome cameras
- High accuracy aspheric lens adopted, achieving the high quality image
- Built-in ND filter of T360, supporting super sensitive cameras



Unit : mm

Focal Length (mm)			2.9~8 (2.7×	
Iris Range			F0.95 ~ T360 (Equivalent to F360)	
Operation	Zoom		Manual	
	Focus		Manual	
	Iris		Auto (DC Type) (*1)	
Angle Of View (H×V)	1/3"	WIDE	93°34' × 68°46'	
		TELE	34°53' × 26°09'	
	1/4"	WIDE	68°42' × 51°12'	
		TELE	26°06' × 19°36'	
Focusing Range (From Front Of The Lens) (m)			∞ ~ 0.3	
Object Dimensions at M.O.D. (H×V) (mm)	1/3"	WIDE	650 × 422	
		TELE	194 × 143	
	1/4"	WIDE	488 × 317	
		TELE	146 × 107	
Back Focal Distance (in air) (mm)			7.7	
Exit Pupil Position (From Image Plane) (mm)			62	
Filter Thread (mm)			—	
Mount			CS	
Mass (g)			45	
Coil Resistance			Drive Coil 200Ω Damping Coil 720Ω	
Current Consumption			22mA (Max.) at DC 4V	
Remarks			• With Metal Mount (*1) When power is turned off, iris will automatically be closed. YV2.7×2.9LA-SA2L : Long Cable Type (230mm)	

## Wiring



White version matching the camera design  
YV2.7×2.9LA-SA4



**For Security**  
**Vari-Focal**

Applicable camera (model)

# YV5×2.7R4B-2

1	2/3	1/2	1/3	1/4

5×



**VARI**  
Vari-Focal

**WIDE**  
Wide Angle

**TELE**  
Telephoto  
Long Focal

**Day~  
Night**  
Day & Night

**MANUAL**  
Manual Iris

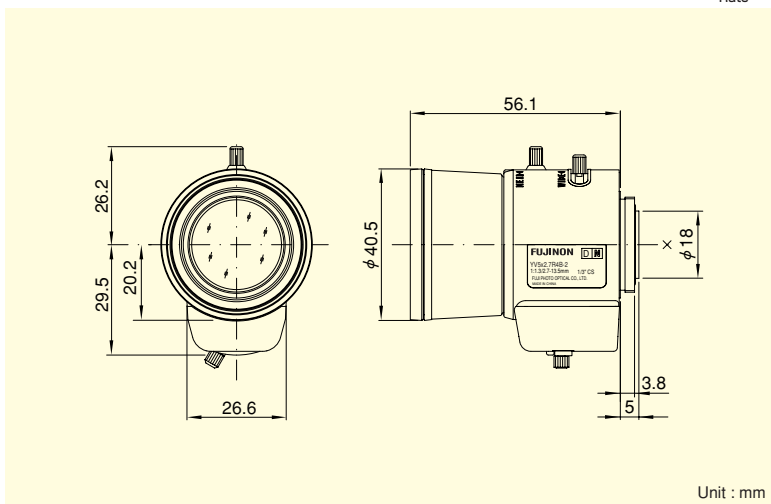
**CS-mt**  
CS Mount

**METAL**  
Metal Mount

**AT**  
Aspherical Lens

**F1.3**  
Wide Aperture  
Rate

- Advanced design engineering and special optic glass adopted, best suited for color, monochrome and day and night cameras
- Wide range of f2.7-13.5mm, supporting various applications
- Wide aperture of F1.3, optimizing the performance at low lighting intensity
- High accuracy aspheric lens adopted, achieving the high quality image



VARI-FOCAL LENSES

Fixed Focal (mm)			2.7~13.5 (5×
Iris Range			F1.3 ~ Close
Operation	Zoom		Manual
	Focus		Manual
	Iris		Manual
Angle Of View (H×V)	1/3"	WIDE	99°42′ × 74°17′
		TELE	20°37′ × 15°30′
	1/4"	WIDE	74°17′ × 55°26′
		TELE	15°30′ × 11°38′
Focusing Range (From Front Of The Lens) (m)			∞ ~ 0.3
Object Dimensions at M.O.D. (H×V) (mm)	1/3"	WIDE	741 × 473
		TELE	115 × 86
	1/4"	WIDE	473 × 328
		TELE	86 × 64
Back Focal Distance (in air) (mm)			8.91
Exit Pupil Position (From Image Plane) (mm)			96
Filter Thread (mm)			—
Mount			CS
Mass (g)			65
Remarks		•Metal Mount	



**For Security**  
**Vari-Focal**

# YV5×2.7R4B-SA2

Applicable camera (model)

1	2/3	1/2	1/3	1/4

**VARI**  
Vari-Focal

**WIDE**  
Wide Angle

**TELE**  
Telephoto  
Long Focal

**Day~Night**  
Day & Night

**DC**  
DC Auto Iris

**CS-mt**  
CS Mount

**METAL**  
Metal Mount

**ND**  
ND Filter

**230**  
Long Cable

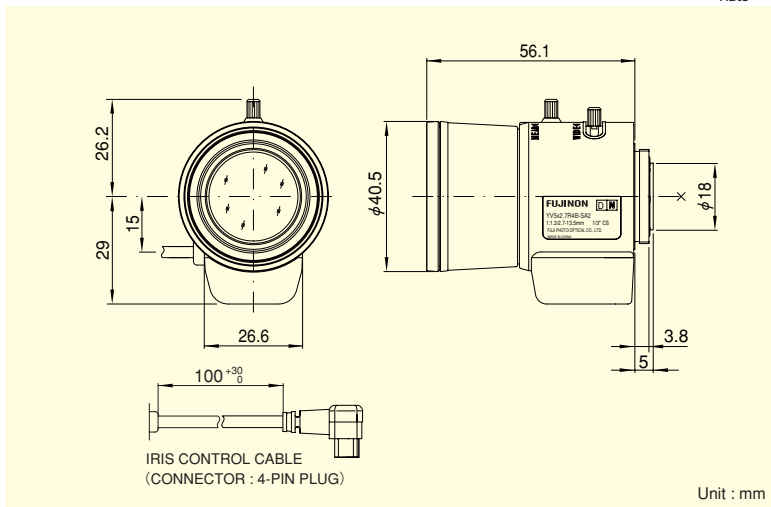
**AT**  
Aspherical Lens

**F1.3**  
Wide Aperture  
Rate

5×



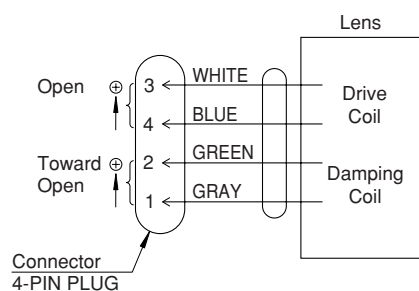
- Advanced design engineering and special optic glass adopted, best suited for color, monochrome and day and night cameras
- Wide range of f2.7-13.5mm, supporting various applications
- Wide aperture of F1.3, optimizing the performance at low lighting intensity
- High accuracy aspherical lens adopted, achieving the high quality image
- Built-in ND filter of T360, supporting super sensitive cameras



VARI-FOCAL LENSES

Focal Length (mm)			2.7~13.5 (5×)	
Iris Range			F1.3 ~ T360 (Equivalent to F360)	
Operation	Zoom		Manual	
	Focus		Manual	
	Iris		Auto (DC Type) (*1)	
Angle Of View (H×V)	1/3"	WIDE	99°42' × 74°17'	
		TELE	20°37' × 15°30'	
	1/4"	WIDE	74°17' × 55°26'	
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Focusing Range (From Front Of The Lens) (m)			∞ ~ 0.3	
Object Dimensions at M.O.D. (H×V) (mm)	1/3"	WIDE	741 × 473	
		TELE	115 × 86	
	1/4"	WIDE	473 × 328	
		TELE	86 × 64	
Back Focal Distance (in air) (mm)			8.91	
Exit Pupil Position (From Image Plane) (mm)			96	
Filter Thread (mm)			—	
Mount			CS	
Mass (g)			70	
Coil Resistance			Drive Coil 200Ω Damping Coil 720Ω	
Current Consumption			22mA (Max.) at DC 4V	
Remarks			• With Metal Mount (*1) When power is turned off, iris will automatically be closed. YV5×2.7R4B-SA2L : Long Cable Type (230mm)	

## Wiring





**For Security**  
**Vari-Focal**

# YV10×5B-2

Applicable camera (model)

1	2/3	1/2	1/3	1/4

**VARI**  
Vari-Focal

**WIDE**  
Wide Angle

**TELE**  
Telephoto  
Long Focal

**MANUAL**  
Manual Iris

**CS-mt**  
CS Mount

**METAL**  
Metal Mount

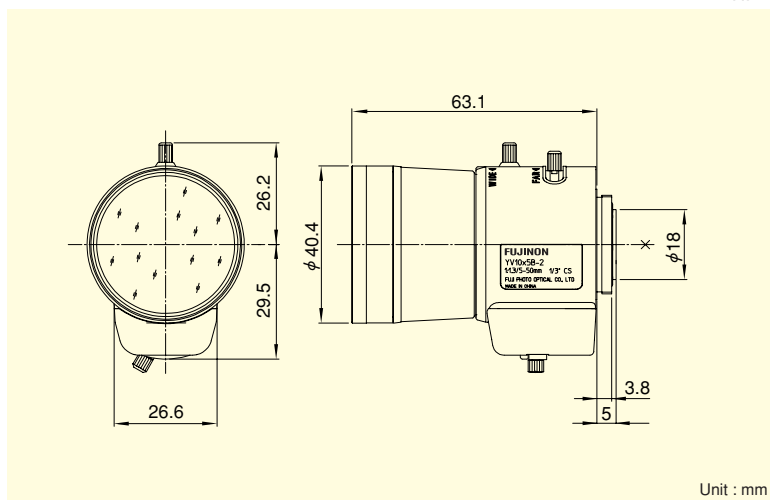
**AT**  
Aspherical Lens

**F1.3**  
Wide Aperture  
Rate

**10×**



- Telephoto, wide range vari-focal lens with the horizontal field angle of 51-5 degrees (when used on 1/3 cameras)
- Wide range of f5-50mm, supporting various applications
- Wide aperture of F1.3, optimizing the performance at low lighting intensity



Unit : mm

Focal Length (mm)			5~50 (10×)
Iris Range			F1.3 ~ Close
Operation	Zoom		Manual
	Focus		Manual
	Iris		Manual
Angle Of View (H×V)	1/3"	WIDE	51°59′ × 39°12′
		TELE	5°24′ × 4°05′
	1/4"	WIDE	39°12′ × 29°30′
		TELE	4°05′ × 3°05′
Focusing Range (From Front Of The Lens) (m)			∞ ~ 0.3
Object Dimensions at M.O.D. (H×V) (mm)	1/3"	WIDE	315 × 230
		TELE	62 × 47
	1/4"	WIDE	230 × 170
		TELE	47 × 35
Back Focal Distance (in air) (mm)			10.83
Exit Pupil Position (From Image Plane) (mm)			292
Filter Thread (mm)			—
Mount			CS
Mass (g)			95
Remarks		•Metal Mount	





**For Security**  
**Vari-Focal**

# YV10×5B-SA2

Applicable camera (model)

1	2/3	1/2	1/3	1/4

**VARI**  
Vari-Focal

**WIDE**  
Wide Angle

**TELE**  
Telephoto  
Long Focal

**DC**  
DC Auto Iris

**CS-mt**  
CS Mount

**METAL**  
Metal Mount

**ND**  
ND Filter

**230**  
Long Cable

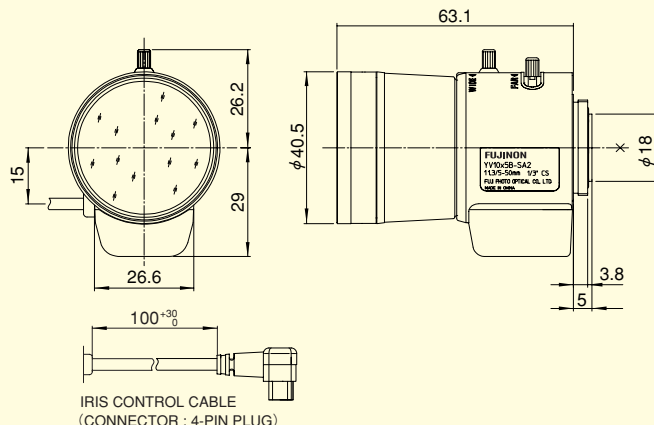
**AT**  
Aspherical Lens

**F1.3**  
Wide Aperture  
Rate

**10×**



- Telephoto, wide range vari-focal lens with the horizontal field angle of 51-5 degrees (when used on 1/3 cameras)
- Wide range of f5-50mm, supporting various applications
- Wide aperture of F1.3, optimizing the performance at low lighting intensity
- Built-in ND filter of T360, supporting super sensitive cameras



Unit : mm

Focal Length (mm)			5~50 (10×	
Iris Range			F1.3 ~ T360 (Equivalent to F360)	
Operation	Zoom		Manual	
	Focus		Manual	
	Iris		Auto (DC Type) (*1)	
Angle Of View (H×V)	1/3"	WIDE	51°59' × 39°12'	
		TELE	5°24' × 4°05'	
	1/4"	WIDE	39°12' × 29°30'	
		TELE	4°05' × 3°05'	
Focusing Range (From Front Of The Lens) (m)			∞ ~ 0.3	
Object Dimensions at M.O.D. (H×V) (mm)	1/3"	WIDE	315 × 230	
		TELE	62 × 47	
	1/4"	WIDE	230 × 170	
		TELE	47 × 35	
Back Focal Distance (in air) (mm)			10.83	
Exit Pupil Position (From Image Plane) (mm)			292	
Filter Thread (mm)			—	
Mount			CS	
Mass (g)			100	
Coil Resistance			Drive Coil 200Ω Damping Coil 720Ω	
Current Consumption			22mA (Max.) at DC 4V	
Remarks			• With Metal Mount (*1) When power is turned off, iris will automatically be closed. YV10×5B-SA2L : Long Cable Type (230mm)	

## Wiring

