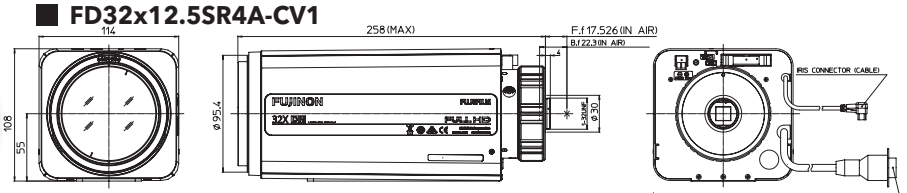
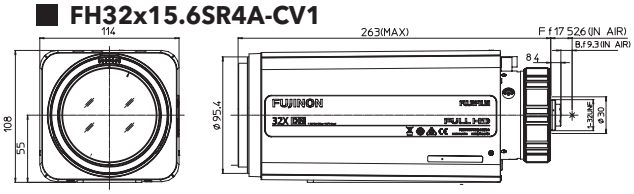
FD32x12.5SR4A-CV1 / FH32x15.6SR4A-CV1

Day Night | VISIBLE LIGHT CUT | Full HD 2MP | 32x | 1/1.8" FD32x12.5 | 2/3" FH32x15.6

■ FD32x12.5SR4A-CV1



■ FH32x15.6SR4A-CV1



Unit : mm

These are zoom lenses with long focal range, supporting large 1/1.8-inch (FD32x12.5) and 2/3-inch(FH32x15.6) sensors to deliver full-HD resolution.
They are about 20% smaller in height, compared to previous models, to enable combination with wide range of housing units.

		FD32x12.5SR4A-CV1	FH32x15.6SR4A-CV1
Sensor size (max.)		1/1.8"	2/3"
Focal length (mm)		12.5 - 400	15.6 - 500
Zoom ratio		32x	
Mount		C-mount	
Iris range		F3.1 - F16	F3.9 - F16
Maximum relative aperture (W/T)		1:3.1 / 1:5.2	1 3.9 / 1:6.5
M. O. D. (m)		3	
Filter	Visible Light Cut	✓	
Lens control interface		Serial + Analog	
Lens control	Zoom	Speed	
	Focus	Speed	
	Iris	Auto (Video) + Position / Auto (DC)	
Position output	Zoom	✓	
	Focus	✓	
	Iris	–	
Day & Night		✓	
Optical axis adjustment		Option (AA-1)	
Strengthened bottom plate		✓	
Back focal distance (in air) (mm)		22.3	9.3
Flange focal length		17.526	
Exit Pupil position (from image plane) (mm)		-99	-52
Size (HxWxL) (mm)		108 x 114 x 251(max. 258)	108 x 114 x 256(max. 263)
Weight (kg)		2.8	2.9
Filter thread (mm)		M82 x 0.75mm	
Operating temperature		-10℃ - +50℃	
Wiring Diagram		P19	

Optical Axis Adjustment Kit [AA-1] [Option]

● Individually adjustable optical axis for cameras and lenses

In some combinations of long zoom lenses and cameras using the C mount, a subject matter at the center occasionally shifts from that position when zoomed in. This is because of minor individual variations with the position of the camera's sensor and the lens's optical axis. To prevent such a situation, it is necessary to align the optical axis of camera and lens at the time of installation. The optical axis adjustment mechanism "AA-1" can be fitted to the lens side so as to fine-tune the optical axis with a screw on the mount.

Please download the specification sheet and the drawing data.
For detailed specifi cations, see the following website: ▶ **http://fujifilm.jp/business/security/index.html**

Adjustable flange focal distance in line with cameras

Flange focal distance must be adjusted for individual cameras and lenses in order to accurately match the focal point between a camera and its lens. The FD32x12.5 and FH32x15.6 series allow users to easily and finely adjust the flange focal distance on the lens, using readily-available hex wrenches.

"Visible Light Cut Filter" for de-hazing images in poor visibility due to high moisture in the air

When used in poor visibility with mist, rain, etc., this filter blocks visible light to clearly capture images only with linear near-infrared light.

Visible Light Cut Filter **OFF**

Visible Light Cut Filter **ON**

How does the Visible Light Cut Filter de-haze images?

Visible light in short wavelengths is prone to diffusion in the presence of airborne particles. However, near-infrared light with longer wavelengths has the characteristic of penetrating air more easily to reach the subject matter. This filter blocks visible light that causes video noise, while passing near-infrared light through to obtain clear images.

More convenient installation

These lenses are about 20% smaller in height, compared to previous models, to achieve compatibility with a greater range of security camera housings.
For enhanced stability in installation on a security camera platform, the lenses have a total of eight sockets, i.e. one for fitting a regular tripod and seven M5 sockets, at the base.

Compatibility with various interfaces

The lenses provide both analog and serial (RS232C) interface terminals for user convenience.
They support the Pelco-D and C10 (Fujifilm's own lens control system) protocols.

*See each lens's wiring diagram for details.