

Fujifilm to showcase two new models of the full-HD, 32x zoom, large-sensor compatible telephoto lenses for long-range surveillance at the Security & Safety Trade Expo and the 15th China Public Security Expo as reference exhibits

October 9, 2015

FUJIFILM Corporation (President: Shigehiro Nakajima) has announced that it will showcase the newly developed “FUJINON FD32x12.5SR4A-CV1” (“FD32x12.5”) and “FUJINON FH32x15.6SR4A-CV1” (“FH32x15.6”) as reference exhibits, at the Security & Safety Trade Expo (RISCON TOKYO 2015) in Tokyo and the 15th China Public Security Expo (CPSE 2015). The 32x Zoom lenses are compatible with larger format sensors, “FD32x12.5” with 1/1.8” format and “FH32x15.6” with 2/3” and deliver premium-quality full-HD pictures across the entire Zoom range for long-range surveillance for national borders and remote locations.



Product image “FD32x12.5SR4A-CV1”



Product image “FH32x15.6SR4A-CV1”

User needs in the surveillance systems market are shifting from being able to “see” to being able to “identify.” In the long-range surveillance segment for national borders, ports, sensitive facilities and remote locations in particular, camera sensors are becoming larger to deliver full-HD pictures and high sensitivity in low light conditions, in order to achieve a higher level of identification performance. Users are increasingly seeking high-resolution performance capable of capturing a subject across their entire zoom range outdoors, especially in low light, long distance, fog and other adverse conditions.

To meet these market needs, Fujifilm is introducing full-HD, long-range 32x lenses “FUJINON FD32x12.5SR4A-CV1” and “FUJINON FH32x15.6SR4A-CV1” and expand the line-up for surveillance lenses with tapping into the optical technologies developed over many years.

Main features of FD32x12.5 and FH32x15.6

1. Full-HD and compatible with large size sensors

- These lenses can capture full-HD, high definition pictures across their entire 32x zoom range.
- In response to market needs for color surveillance even in low light, they are designed for the larger 1/1.8” and 2/3” formats, which are emerging as mainstream in long-range surveillance for higher sensitivity, thereby boosting the identification performance of surveillance systems.
- In order to accommodate full-HD systems, the lenses feature the flange focal length adjustment function, enabling focus settings of greater precision.

2. Expanded interface

- The lenses support both analog and serial interfaces, giving lens control choices to customers according to their existing systems.
- The widely used protocol “Pelco-D” is now supported as well as FUJIFILM unique “C10”.

3. Equipped with a visible light cut filter

- The visible light cut filter creates a de-fogging effect with an IR camera, frequently used in long-range surveillance and keep clear image quality.

4. Improved installation to the housings

- The lenses' main unit is approx. 20% smaller in height compared to Fujifilm's existing 32x zoom lenses to enable combination with a greater range of outdoor surveillance system housings.
- They feature a larger seat for being affixed to a housing, and a total of six affixing holes for improved installation stability.

[FUJINON FD32x12.5SR4A-CV1 / FH32x15.6SR4A-CV1 Main specifications]

Product name		FD32x12.5SR4A-CV1	FH32x15.6SR4A-CV1
Resolution		Full-HD 2MP*1	Full-HD 2MP*2
Sensor size (max.)		1/1.8"	2/3"
Focal length		12.5-400 mm	15.6-500 mm
Zoom magnification		32x	32x
Iris range (F no.)		F3.1 - F16	F3.9 - F16
Focusing range (From front of the lens)		∞ ~ 3m	∞ ~ 3m
Iris Operation		Auto (DC / Video Type)	Auto (DC / Video Type)
Angle of view (H x V) [4:3]	2/3"	Wide	30°56' × 23°36'
		Tele	
	1/1.8"	Wide	30°54' × 23°32'
		Tele	1° 2' × 0°46'
	1/3"	Wide	21°14' × 16° 2'
		Tele	0°42' × 0°31'
Mount		C	C
Body size (max.) (H x W x L)		108 X 114 X 251 mm (258 mm at ∞)	108 X 114X 256 mm (263 mm at ∞)
Weight		Approx. 2.8kg	Approx. 2.9kg

*1 When used on a camera with a 1/1.8"-format sensor

*2 When used on a camera with a 2/3"-format sensor

*3 The products' specifications and exterior appearances are as of the time of launch (October 9, 2015) and are subject to change without notice.

[Security & Safety Trade Expo overview]

Period : October 14 (Wed) – 16 (Fri), 2015

Place : Tokyo Big Sight

Booth number: 2L27 at the West No.2 Hall

[The 15th China Public Security Expo (CPSE 2015) overview]

Period : October 29 (Thu) – November 1 (Sun), 2015

Place : Shenzhen Convention & Exhibition Center

Booth number : 1A15, No.1 Hall

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