

# Fujinon Field HD lenses

## New telephoto HD lenses

### Fujinon XA87x9.3ESM/XA87x13.2ESM

By offering an unprecedented 87x magnification, the new XA87x high definition lenses are ideally suited for sports shooting where extreme close-ups and high-image quality are critical. The XA87x9.3 and XA87x13.2 are available with Fujinon's new internal image stabilization technology. Distance is no object any more. Due to the excellent ramping characteristics, the XA87x lenses deliver images of amazing crispness and brightness even at the telephoto end of the zoom range. The

field HD lenses combine Fujinon's most advanced optics, Inner focus mechanism, extremely quiet operation and modular construction.

Fujinon use more than two zoom groups to achieve the 87x zoom. The maximum zoom speed from wide to tele end is only 0.6 seconds but it is possible to choose the zoom characteristic and the maximum zoom speed individually.

The new lens is only 23 mm longer than its predecessor HA66x9.5BESM. It weighs only 21.5 kg which is a great advantage



**DIGI HD**  
POWER Hi-Resolution  
XA87x9.3ESM

for outside broadcasting operation.

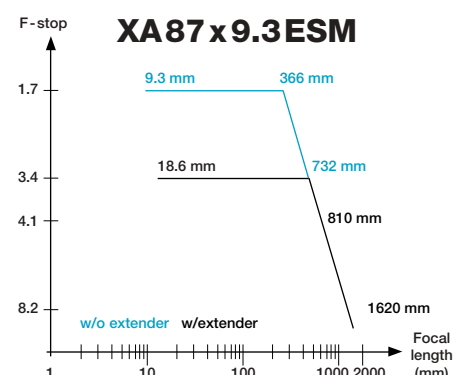
The desiccant drying compartment eliminates fogging of the internal lens components due to humidity.

In addition a protective, field replaceable glass element (option) protects the front lens from damage. Since all Fujinon ENG, EFP and HD broadcast lenses are equipped with digital controls the XA87x offers all the advantages of DIGI POWER features like F number limit, QUICKZOOM, two shot pre-sets, ADVANCED BACK FOCUS (MACRO).

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Specifications / Lens	XA 87 x 9.3 ESM	XA 87 x 13.2 ESM
Zoom ratio	87x	87x
Extender	2x	2x
Focal length w/o extender	9.3–810 mm	13.2–1150 mm
Focal length w/ extender	18.6–1620 mm	26.4–2300 mm
Maximum relative aperture	F 1.7 (9.3–366 mm) F 4.1 (810 mm)	F 2.4 (13.2–476 mm) F 5.8 (1150 mm)
Angular field of view (Hor. x Vert. in °)	4:3 Aspect ratio (8.8 x 6.6 mm) 9.3 mm: 50°38' x 39°4' 810 mm: 0°37' x 0°28'	13.2 mm: 36°52' x 28°4' 1150 mm: 0°26' x 0°20'
	16:9 Aspect ratio (9.59 x 5.39 mm) 9.3 mm: 54°33' x 32°19' 810 mm: 0°41' x 0°23'	13.2 mm: 39°56' x 23°5' 1150 mm: 0°29' x 0°16'
Minimum Object Distance M.O.D.	2.7 m	2.7 m (13.2 – 132 mm) 4 m (133 – 1150 mm)
Object dimensions at M.O.D. (Hor. x Vert. in mm)	4:3 Aspect ratio (8.8 x 6.6 mm) 9.3 mm: 2346 x 1760 mm 810 mm: 27 x 20 mm	13.2 mm: 1653 x 1240 mm 1150 mm: 29 x 22 mm
	16:9 Aspect ratio (9.59 x 5.39 mm) 9.3 mm: 2556 x 1438 mm 810 mm: 29 x 17 mm	13.2 mm: 1802 x 1014 mm 1150 mm: 32 x 18 mm
Size HxWxL	252 x 252 x 631 mm	252 x 252 x 657 mm
Macro	yes (upon request)	no
Mass	21.5 kg	22 kg
Operating system	SM	SM
Ratio Converter	yes (upon request)	no
Memo	Advanced Back Focus (Macro)	Advanced Back Focus (Macro)

Specifications are subject to change without notice.



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# Outline drawings. (XA 87x 9.3 ESM/XA 87x 13.2 ESM)

