

Fujinon Field HD lenses.

Fujinon High Definition Telephoto lens XA76x9.3BESM

With the new XA76x HIGH DEFINITION zoom lens Fujinon offers a cost-effective alternative to the HD XA87x lens. The XA76x combines the most advanced optics with extremely quiet operation and modular construction. The XA76x is equipped with DIGI POWER functions, advanced back focus mechanism and

Inner Focus which offer excellent performance and ease of operation. The XA76x is the perfect choice for sports shooting and other applications where extreme close-ups and high-image quality are critical.

A high-speed, 13-bit serial communications link between the zoom/focus demands and the lens provides smooth,



XA76x9.3BESM

Specifications/Lens		XA76x9.3 ESM
Application		2/3" Format
Zoom ratio		76x
Extender		2x
Focal length w/o extender		9.3 – 710 mm
Focal length w/ extender		18.6 – 1420 mm
Maximum relative aperture		F1.7 (9.3 – 334 mm) F3.6 (710 mm)
Angular field of view	4:3 Aspect ratio (1x) (8.8 x 6.6 mm)	9.3 mm: 50°38' x 39°04'
		710 mm: 0°43' x 0°32'
	16:9 Aspect ratio (1x) (9.59 x 5.39 mm)	(2x) 18.6 mm: 26°37' x 20°07'
		1,420 mm: 0°21' x 0°16'
Minimum Object Distance M.O.D.	4:3 Aspect ratio (1x) (8.8 x 6.6 mm)	9.3 mm: 54°33' x 32°19'
		710 mm: 0°46' x 0°26'
	16:9 Aspect ratio (1x) (9.59 x 5.39 mm)	(2x) 18.6 mm: 28°55' x 16°29'
		1,420 mm: 0°23' x 0°13'
Object Dimensions at M.O.D.	4:3 Aspect ratio (1x) (8.8 x 6.6 mm)	2.7 m (from front lens)
		9.3 mm: 2,347 x 1,760 mm
	16:9 Aspect ratio (1x) (9.59 x 5.39 mm)	710 mm: 31 x 23 mm
		(2x) 18.6 mm: 1,173 x 880 mm
Size HxWxL	4:3 Aspect ratio (1x) (8.8 x 6.6 mm)	1,420 mm: 15 x 12 mm
		9.3 mm: 2,558 x 1,438 mm
	16:9 Aspect ratio (1x) (9.59 x 5.39 mm)	710 mm: 34 x 19 mm
		(2x) 18.6 mm: 1,279 x 719 mm
Macro		1,420 mm: 17 x 9 mm
Mass (with lens hood)		253 x 253 x 644 mm
Operating system		Option (upon request)
Ratio Converter		21.8 kg
Memo		SM
Memo		Option (upon request)
Memo		Digi Power Advanced Back Focus Remote Macro Focus Fader

Specifications are subject to change without notice.

precise overall control functions. The lens employs optical encoders, which increase reliability and offer extremely high positioning accuracy when the lens is used in robotics and virtual studio applications. Both zoom and focus are controlled by a 32-bit RISC processor.

The zoom/focus mode provides three distinctive rotational curves for zoom and focus. This function is extremely useful when switching between productions (such as drama and sport).

The 2x extender doubles the 9.3 to 18.6 mm range of the XA76x to 18.6 to 1,420 mm. By use of the F number limit switch a circuit can be introduced to restrict the zoom range of the lens to the point at which F-stop ramping begins. In addition the XA76x HIGH DEFINITION includes Fujinon's exclusive Quickzoom function and the greatly improved Fujinon FIND SYSTEM.

Image stability at long focal lengths has been addressed by the addition of image stabilizing technology which is available as an internal option or a stand-alone device which will adapt to most telephoto EFP lenses produced by Fujinon.

Fujinon. To see more is to know more.



Outline drawings.

(XA76x9.3BESM)

