

Fujinon Telephoto HD Lens XA88x8.8BESM



The XA88x8.8BESM telephoto lens offers 88x magnification with the widest focal length of 8.8 mm available in comparable telephoto lenses on the market. The XA88x8.8BESM is the perfect choice for big sports events by either capturing stunning wide angle shots or amazing close-ups in 16:9 as well as 4:3 HD or SD.

To achieve the extreme focal range from 8.8 mm wide angle to 777 mm tele photo (1x extender), the XA88x8.8BESM combines Fujinon's most advanced lens technologies with the advantages of GO technology. The focus and zoom groups of the 88x are achromatic lenses themselves. The lens elements with low refractive index and small dispersion are combined with special glass with high refractive index to minimise the chromatic aberration. A special glass manufacturing

process has been used to make extremely large single crystals for the front lens groups. A newly developed EBC coating combination reduces ghost and flare and immediately increases the transmission to higher values. The XA88x8.8BESM incorporates multiple aspherical lens elements leading to unprecedented overall image quality with field curvature and distortion. 3 zoom groups enable optimised optical quality over the entire zoom range. In addition, Fujinon's advanced back focus technology enables remote control of macro and focus fade on wide shots – a feature, unique to Fujinon in this category of lenses. The XA88x8.8BESM includes Fujinon's exclusive built-in OS-TECH optical stabilisation system as well as the world wide proven PF precision focus assist system. Nevertheless, the overall size has been

reduced. The total length has become 55 mm shorter than the XA87x9.3BESM-S. A completely new shroud design incorporates a tightly sealed, dust proof housing taking special care against dust contamination and leads to extremely quiet and smooth operation whilst the built-in moisture protection system keeps the lens operating even under the harshest conditions.

The XA88x8.8BESM offers all the advantages of DIGI POWER featuring F number limit, Quickzoom, two shot presets and other digital functions increasing your production flexibility and offering excellent performance and ease of operation. Fujinon's new XA88x8.8BESM offers the highest performance and is suited to all needs.

Fujinon. To see more is to know more.

Specifications/Lens		XA88x8.8BESM	
Zoom ratio		88x	
Extender		2x	
Focal length w/o extender		8.8 – 777 mm	
Focal length w/ extender		17.6 – 1,554 mm	
Maximum relative aperture		F1.7 (8.8 – 348 mm) / F3.8 (777 mm)	
Angular field of view	4:3 Aspect ratio (8.8 x 6.6 mm)	(1x) 8.8 mm: 53°08' x 41°07' (1x) 777 mm: 0°39' x 0°29'	(2x) 17.6 mm: 28°04' x 21°14' (2x) 1,554 mm: 0°19' x 0°15'
	16:9 Aspect ratio (9.59 x 5.39 mm)	(1x) 8.8 mm: 57°10' x 34°03' (1x) 777 mm: 0°42' x 0°24'	(2x) 17.6 mm: 30°29' x 17°25' (2x) 1,554 mm: 0°21' x 0°12'
Minimum Object Distance M.O.D.		2.9 m	
Object dimensions at M.O.D.	4:3 Aspect ratio (8.8 x 6.6 mm)	(1x) 8.8 mm: 2,780 x 2,085 mm (1x) 777 mm: 32 x 24 mm	(2x) 17.6 mm: 1,390 x 1,042 mm (2x) 1,554 mm: 16 x 12 mm
	16:9 Aspect ratio (9.59 x 5.39 mm)	(1x) 8.8 mm: 3,029 x 1,703 mm (1x) 777 mm: 34 x 19 mm	(2x) 17.6 mm: 1,515 x 851 mm (2x) 1,554 mm: 17 x 10 mm
Size H x W x L		258 x 270 x 625 mm (with built in PF system)	
Macro		Yes	
Mass (with lens hood)		25 kg (with built in PF system)	
Operating system		SM	
Ratio converter		Yes (optional)	
Memo		DIGI Power, Advanced Back Focus, OS-TECH, Precision Focus Assist System (optional)	

Specifications are subject to change without notice.

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