

## Professional HD ENG lenses



The professional ENG line-up has been especially developed to meet the increasing production of HD cost-effective digital cameras. Fujinon introduced this extensive range of lenses to meet the widening demand for lenses in this product category.

The range includes the model XA20sx8.5BRM/BERM for 2/3" formats, the model XS20sx6.3BRM for 1/2" formats and the model XT20sx4.7BRM for 1/3" formats, as well as an additional 17x zoom lens for 1/3" formats, the model XT17sx4.5BRM. The lenses are characterised by their high optical performance as well as transportability and operability, all combined in a smaller package offering good value for money. By using state-of-the-art glass elements, the latest design and Fujinon's exclusive GO-Technology, longitudinal chromatic aberration has been minimised in the Professional HD line-up while maintaining high MTF values.

All five lenses include the QuickZoom function used in the high-end HD broadcast lenses, helping to save time and ensuring production flexibility by enabling a quick zoom movement to the telephoto position to check focus at the touch of a button. Release the button and the lens returns to the former position. The maximum zoom speed of the lenses is only one second.

The latest addition to the Professional HD ENG 2/3" lens range is the XA16sx8BRAM. The lens marks a milestone in the development of cost-effective lenses.

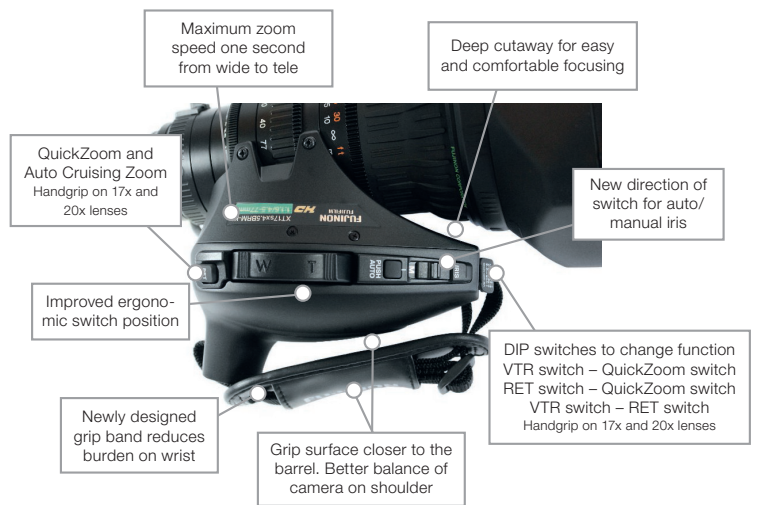
Incorporating Fujinon's exclusive GO-Technology for high-performance optical design calculations, moulded aspherical lens technology and an innovative optical design that uses a unique rear focus drive system, the XA16sx8BRAM lens is a state-of-the-art lens that delivers high-quality and uniform optical performance, from the wide to tele end. Thanks to the new rear focus system the lens also shows no visible pumping when focusing.

This XA16sx8BRAM lens uses the latest technology to create a lens that offers cost-effective yet high optical performance, which is astonishing for a lens in this market category.

**Fujinon. To see more is to know more.**

## ► The Professional HD range handgrip design

The size of the drive unit is positioned close to the optical axis of the lens barrel, improving the balance of the camera on the shoulder and causing less arm fatigue. In addition, a part of the drive unit has a cut away to increase the space between focus ring and module to improve the focusing motion and avoid interference, leading to stress-free handling and operability combined with improved balance. One small feature with a huge effect is the iris mode switch, which has got a forwards-backwards motion to keep the operator from swaying the camera sideways, thereby ensuring a stable image when using the iris switch.



## ► 1/3" and 1/2" lens

Specifications/Lens	XT17sx4.5BRM	XT20sx4.7BRM	XS20sx6.3BRM
Application	1/3"	1/3"	1/2"
Zoom ratio	17x	20x	20x
Focal length	4.5–77 mm	4.7–94 mm	6.3–126 mm
Maximum relative aperture	F1.6 (4.5–77 mm)	F1.4 (4.7–88 mm) F1.5 (94 mm)	F1.4 (6.3–88 mm) F2.0 (126 mm)
Angular field of view 16:9 Aspect ratio	4.5 mm: 60°19' x 36°11' 77 mm: 03°53' x 02°11'	4.7 mm: 58°11' x 34°44' 94 mm: 03°11' x 01°48'	6.3 mm: 57°54' x 34°34' 126 mm: 03°10' x 01°47'
M.O.D. from front of lens	0.95 m	0.9 m	0.9 m
M.O.D. from image plane	1.16 m	1.12 m	1.11 m
Object dimensions at M.O.D.	4.5 mm: 999 x 562 mm 77 mm: 60 x 34 mm	4.7 mm: 901 x 506 mm 94 mm: 47 x 26 mm	6.3 mm: 904 x 508 mm 126 mm: 47 x 26 mm
Size ø x length	ø 85 x 175.6 mm	ø 85 x 189.8 mm	ø 85 x 181.9 mm
Filter thread	M82 x 0.75	M82 x 0.75	M82 x 0.75
Weight (w/o lens hood)	1.28 kg	1.48 kg	1.4 kg
Features	<b>IF</b> <b>QZ</b> Macro	<b>IF</b> <b>QZ</b> Macro	<b>IF</b> <b>QZ</b> Macro

## ► 2/3" lens

Specifications/Lens	XA20sx8.5BRM / XA20sx8.5BERM w/2x ext.	XA16sx8BRAM
Application	2/3"	2/3"
Zoom ratio	20x	16x
Focal length	8.5–170 mm / 2x 17.0 – 340 mm	8.0–128 mm
Maximum relative aperture	F1.8 (8.5–113 mm) F2.7 (170 mm)	F1.9 (8 mm) F2.8 (128 mm)
Angular field of view 16:9 Aspect ratio	8.5 mm: 58°51' x 35°11' / 17 mm: 31°30' x 18°01' 170 mm: 3°14' x 1°49' / 340 mm: 1°37' x 0°54'	8.0 mm: 61°52' x 37°14' 128 mm: 04°17' x 02°25'
M.O.D. from front of lens	0.9 m	0.8 m
M.O.D. from image plane	1.1 m	1.0 m
Object dimensions at M.O.D.	8.5 mm: 909 x 511 mm / 17 mm: 469 x 264 mm 170 mm: 47 x 26 mm / 340 mm: 24 x 13 mm	8.0 mm: 1,023 x 575 mm 128 mm: 98 x 55 mm
Size ø x length	ø 85 x 180.8 mm / ø 85 x 200.8 mm	ø 85 x 163.8 mm
Filter thread	M82 x 0.75	M82 x 0.75
Weight (w/o lens hood)	1.5 kg / 1.58kg	1.52 kg
Features	<b>IF</b> <b>QZ</b> Macro	<b>RF</b> <b>QZ</b>

**IF** Inner Focus  
**QZ** QuickZoom  
**RF** Rear Focus

Specifications are subject to change without notice. 01/12

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