

High Definition ENG lenses – HA16x6.3BERM/BERD and HS16x4.6BERM/BERD



With the HA16x lenses, Fujinon has established a new way of news and field production by giving the camera operator an outstanding tool, fulfilling all their requirements in just one lens.

The HA16x/HS16x are high-quality HD lenses with high zoom ratio in conjunction with wide angle and built-in 2x range extender, enabling versatility never before achieved in a single zoom lens. With these new lenses, Fujinon further leads the way into a cost-effective professional High Definition ENG market without disregarding Fujinon's outstanding reputation in quality. Both HD lenses are perfectly designed for all High Definition broadcast news and field production applications captured in 16:9 image format.

The HA16x/HS16x both feature internal focusing and have been designed using the exclusive Fujinon GO-Technology. This Fujinon patented software solution represents the most effective tool to dramatically increase the optical performance step-by-step in chosen optical or mechanical parameters, resulting in a 20–30% improvement in all optical features compared with conventional lenses. The latest glass materials with high refractive indexes and ultra-low dispersion represent the basis for success to achieve Fujinon's objectives.

Excellent ramping characteristics combined with minimal ghosting and flare, reduced pumping, minimised longitudinal and lateral chromatic aberration, enhanced colour transmission and high MTF value make this standard lens, which incorporates an exceptional wide angle, the match for any professional challenge which may come to mind.

The HA16x/HS16x incorporate all the benefits of latest technologies in design and manufacturing, and by utilising Fujinon's Digital Drive unit DIGI POWER*, production flexibility is almost unlimited.

Fujinon. To see more is to know more.

Specifications/Lens		HA16x6.3BERM/BERD	HS16x4.6BERM/BERD
Application		2/3"	1/2"
Zoom ratio		16x	16x
Extender		2x	2x
Focal length	w/o extender w/ extender	6.3 – 101 mm 12.6 – 202 mm	4.6 – 74 mm 9.2 – 148 mm
Maximum relative aperture		F1.8 (6.3 – 63 mm), F2.9 (101 mm)	F1.4 (4.6 – 47 mm), F2.2 (74 mm)
Angular field of view		(1x) 6.3 mm: 74° 33' x 46° 19' (1x) 101 mm: 5° 26' x 3° 03'	(1x) 4.6 mm: 74° 18' x 46° 09' (1x) 74 mm: 5° 24' x 3° 02'
16:9 Aspect ratio		(2x) 12.6 mm: 41° 40' x 24° 09' (2x) 202 mm: 2° 43' x 1° 32'	(2x) 9.2 mm: 41° 30' x 24° 03' (2x) 148 mm: 2° 42' x 1° 31'
Minimum Object Distance M.O.D.		0.4 m	0.4 m
Object dimensions at M.O.D.		(1x) 6.3 mm: 712 x 400 mm (1x) 101 mm: 45 x 25 mm	(1x) 4.6 mm: 710 x 399 mm (1x) 74 mm: 44 x 25 mm
16:9 Aspect ratio		(2x) 12.6 mm: 356 x 200 mm (2x) 102 mm: 22 x 13 mm	(2x) 9.2 mm: 355 x 200 mm (2x) 148 mm: 22 x 13 mm
Length		238.5 mm	240 mm
Macro		Yes	Yes
Filter thread		M107 x 1	M107 x 1
Mass		1.98 kg / 2.05 kg	1.98 kg / 2.05 kg
Operating system		RM/RD	RM
Features		IF QZ ZL* VC	IF QZ ZL* VC

*New Grip's zoom limit function is controlled by Digital zoom demand

