

## New cost-effective High Definition ENG lenses HS16X4.6/HA16X6.3



With the HA16x lenses Fujinon have established a new way of news and field production, by giving the camera operator an outstanding tool, filling all his 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 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, minimized longitudinal and lateral chromatic aberration, en-

hanced colour transmission and high MTF values makes this standard lens which incorporates an exceptional wide angle, the match for any professional challenge you may think of.

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

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

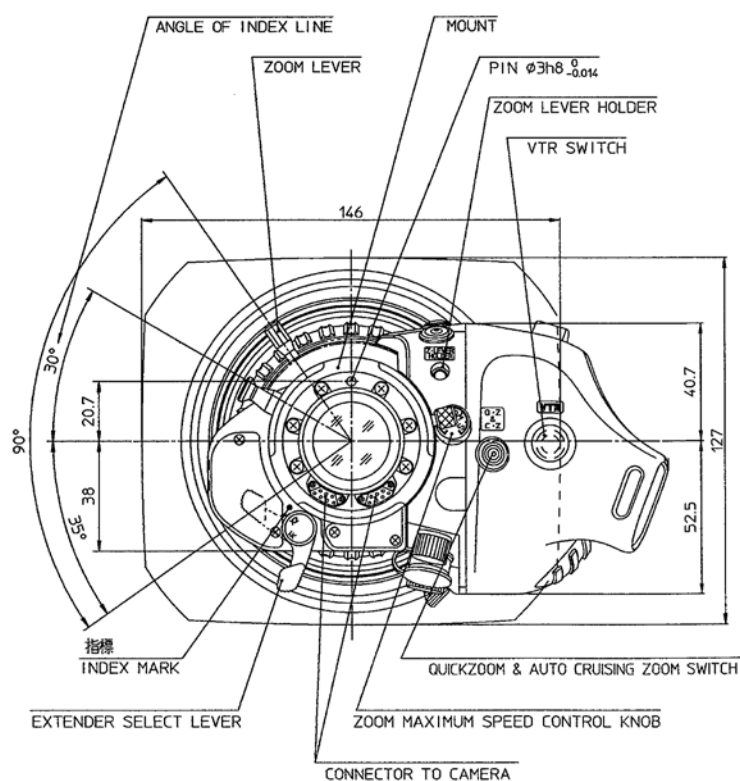
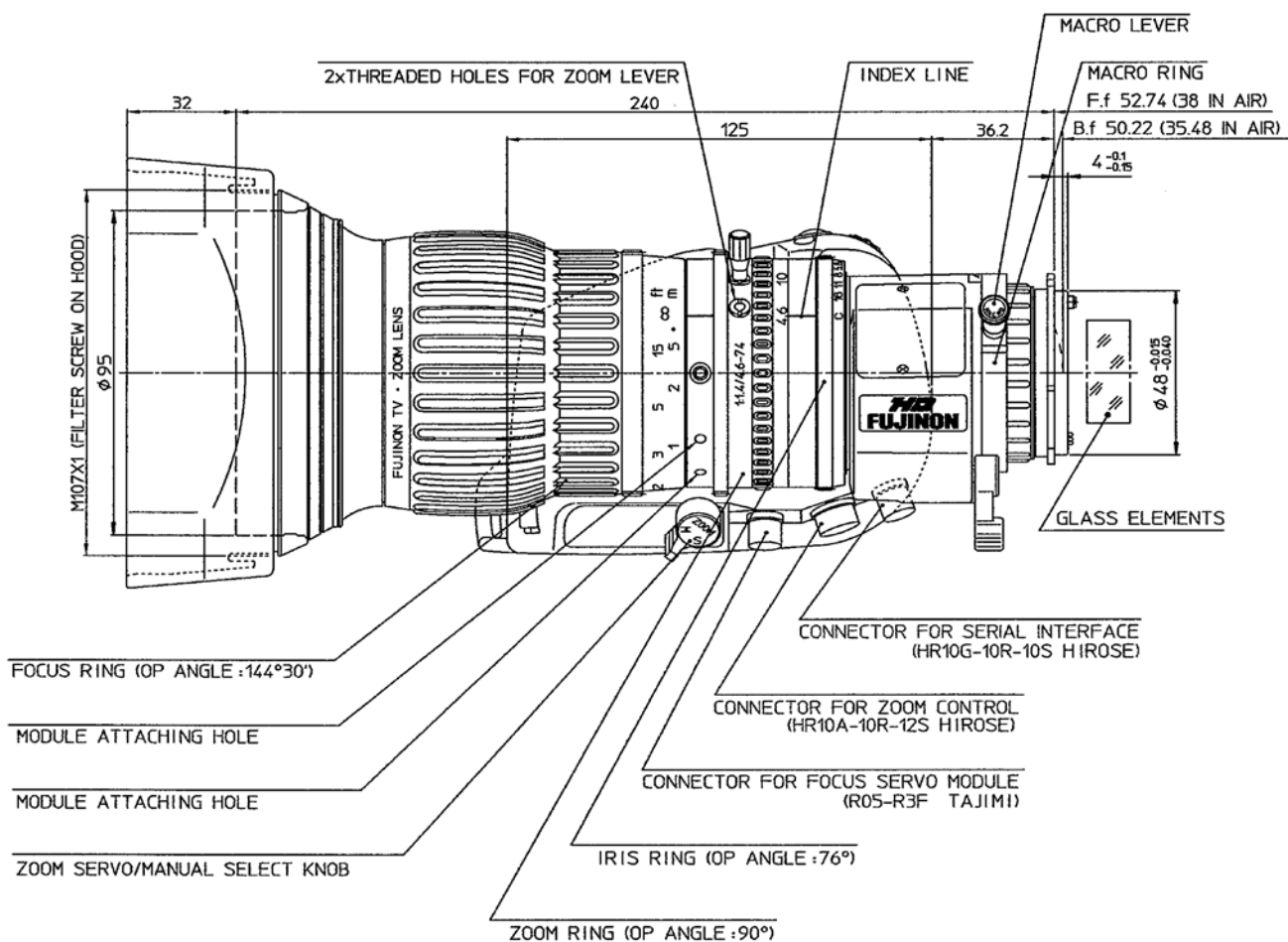
Specifications/Lens		HA16x6.3	HS16x4.6
Application		2/3"	1/2"
Zoom ratio		16x	16x
Extender		2x	2x
Focal length w/o extender		6.3-101 mm	4.6-74 mm
Focal length w/ extender		12.6-202 mm	9.2-148 mm
Maximum relative aperture		F1.8 (6.3-63 mm) F2.9 (101 mm)	F1.4 (4.6-47 mm) F2.2 (74 mm)
Angular field of view 16:9 Aspect ratio	1x	6.3 mm: 74°33' x 46°19' 101 mm: 4°00' x 3°03'	4.6 mm: 74°18' x 46°09' 74 mm: 5°24' x 3°02'
	2x	12.6 mm: 41°40' x 24°09' 202 mm: 2°43' x 1°32'	9.2 mm: 41°30' x 24°03' 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. 16:9 Aspect ratio	1x	6.3 mm: 712 x 400 mm 101 mm: 45 x 25 mm	4.6 mm: 710 x 399 mm 74 mm: 44 x 25 mm
	2x	12.6 mm: 356 x 200 mm 102 mm: 22 x 13 mm	9.2 mm: 355 x 200 mm 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*2	1.98 kg
Operating system		RM/RD*2	RM
Memo		GO Technology, Inner Focus, DIGI Power	GO Technology, Inner Focus, DIGI Power

Specifications are subject to change without notice.

\*1 Please ask for our short instruction manual "How to use DIGI Power functions".

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## Fujinon Broadcast HD ENG series



## ACCESSORIES HS16x4.6/HA16x6.3

Filters	
EFL-107 UV	UV
EFL-107 SL	Skylight
EFL-107 N2	Neutral density 2
EFL-107 N4	Neutral density 4
EFL-107 N8	Neutral density 8
EFL-107 CS	Cross screen
EFL-107 SN	Snow cross
EFL-107 SU	Sunny cross
EFL-107 SF	Soft focus
EFL-107 PL	Polarizing

Annotations: specifications are subject to change without notice.  
For more detailed information and for additional accessories,  
please refer to the general catalogue.