

HA13X4.5BERM

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Primier Series HD ENG Super Wide Angle lens with 2x extender and Digi-Power servo for production and other applications requiring the highest optical quality.

Specifications

Camera Format	2/3"
Focal Length	(1X) 4.5 to 59 mm (2X) 9 to 119mm
Zoom Ratio	13X
Extender	2X
Maximum Relative Aperture	1:1.8(4.5 ~ 39.2 mm) 1:2.6(59 mm)
Maximum Photometric Aperture T-No.	1:2.0(4.5 ~ 39.2mm) 1:2.9 (59 mm)
Minimum Object Distance from Image Plane	0.59m
Object Dimensions at M.O.D.	1X) 4.5 mm 750x 422mm 59 mm 55x 31mm (2X) 9mm 369x 207mm 118 mm 28x 16mm
Angular Field of View	4.5 mm 93° 38' x 61° 50' 59 mm 9° 18' x 5° 14'
Filter Size	ø 127 mm P=0.75
Size (Diameter x Length)	ø 95x238.5 mm
Weight (w/o hood)	1.98 kg