FUJINON
TELEVISION LENSES

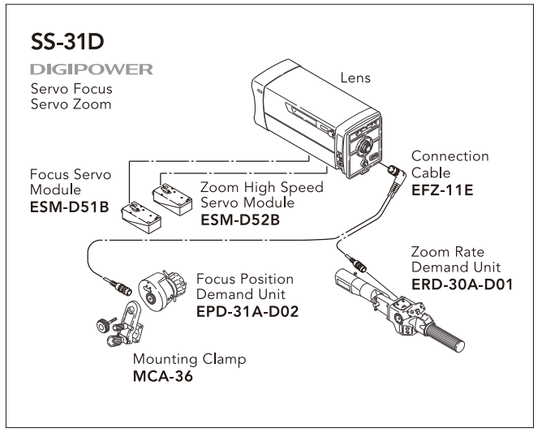
2/3″ 4K ULTRA HDTV ZOOM LENS **UA80x9 BE**

2/3″ 4K ULTRA HDTV ZOOM LENS **UA22x8 BE**

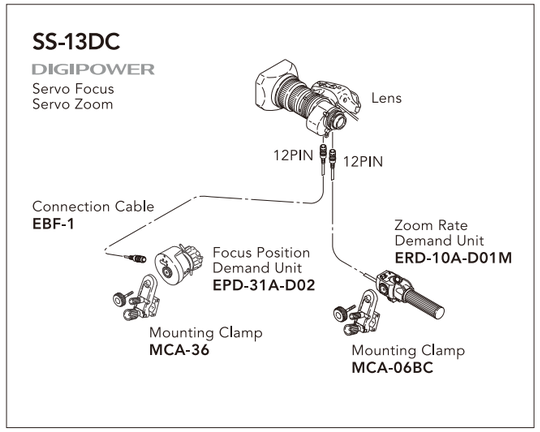
UA80x9 BE / UA22x8 BE Specifications

	UA80x9 BE	UA22x8 BE
Focal Length	(1×) 9–720mm (2×) 18–1440mm	(1×) 8–176mm (2×) 16–352mm
Zoom Ratio	80 ×	22 ×
Extender	2 ×	2 ×
Maximum Relative Aperture	1:1.7 (9–350mm) 1:3.5 (720mm)	1:1.8 (8–124mm) 1:2.55 (176mm)
Minimum Object Distance (M.O.D) from Front Lens	3.7m	0.85m
Object Dimensions at M.O.D. 16:9 Aspect Ratio	(1×) 9mm 3303mm × 1856mm 720mm 43mm × 24mm (2×) 18mm 1714mm × 963mm 1440mm 22mm × 12mm	(1×) 8mm 905mm × 509mm 176mm 43mm × 24mm (2×) 16mm 472mm × 265mm 352mm 22mm × 12mm
Angular Field of View 16:9 Aspect Ratio	(1×) 9mm 56° 6′ × 33° 20′ 720mm 0° 46′ × 0° 26′ (2×) 18mm 29° 50′ × 17° 2′ 1440mm 0° 23′ × 0° 13′	(1×) 8mm 61° 52′ × 37° 14′ 176mm 3° 7′ × 1° 45′ (2×) 16mm 33° 22′ × 19° 7′ 352mm 1° 34′ × 0° 53′
Filter Thread	–	M127 × 0.75 (Filter attaches to the lens hood)
Size (approx.)	258 × 264 × 610mm (H × W × L)	⌀110 × 241.5mm (⌀ × Length)
Mass	23.5kg	2.55kg (without hood)

UA80x9 BE Lens System



UA22x8 BE Lens System



FUJIFILM Corporation
Optical Device & Electronic Imaging Product Division
http://fujifilm.jp/business/broadcastcinema/lens/

For your safety and proper operation, please read the manual before using the equipment.

Product specifications, design, price and other details may be subject to change without prior notice. The exterior color and other product details as depicted in this catalog may appear differently from the actual product due to photographic and printing conditions.

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FUJIFILM
Value from Innovation

FUJINON
4K ULTRA HD
TELEVISION LENSES

The Pinnacle of 4K Lens Quality

2/3″ 4K ULTRA HDTV ZOOM LENS
UA80x9 BE 9–720mm 1:1.7

2/3″ 4K ULTRA HDTV ZOOM LENS
UA22x8 BE 8–176mm 1:1.8

FUJINON

4K ULTRA HD

TELEVISION LENSES

The Ultimate in 4K Optical Performance

World's First 2/3-inch Format 4K Broadcast Lens*

Ultra-high-resolution 4K imaging demands a higher dimension of lens performance, and FUJINON answers with a new line of 4K broadcast lenses. Honed by decades of development and then enhanced by cutting-edge optical technology, the acclaimed "HIGH RESOLUTION", "HIGH CONTRAST" and "HIGH DYNAMIC RANGE" of FUJINON lenses ascends to new heights and conquers the 4K pinnacle of optical performance demanded by imaging professionals.

HIGH RESOLUTION

Crystal clear and crisp 4K image quality is achieved by using optical simulation technologies to reduce every kind of aberration to unprecedented low levels.

HIGH CONTRAST

Excellent 4K imaging quality of even distant detail is faithfully conveyed to the camera by elevating optical performance in the frequency bands that cover the most commonly viewed imaging.

HIGH DYNAMIC RANGE

High-fidelity transmittance of "blacks" to the camera is essential to imaging expression, and FUJINON achieves this with advanced optical material and the latest in lens coating technology. Optical loss is reduced to new extremes to achieve 4K-class imaging expression rich in color gamut reproduction.

Reach the summit of 4K optical performance with FUJINON's state-of-the-art technologies

OPTICAL TECHNOLOGY

Minimal aberrations over the entire zoom range and extremely high contrast are achieved by our newly developed zoom approach and our floating focus system.

CONTROL TECHNOLOGY

Boasting focusing control with 4 times the accuracy of a conventional lens system, the extreme focusing precision of FUJINON exceeds even the level demanded by 4K.

MANUFACTURING TECHNOLOGY

Advanced manufacturing technology enables ideal configuration and positioning of lens elements for optimized performance while ultra-high resolution is attained by nano-level precision polishing of the large-diameter aspherical lens elements.

COATING TECHNOLOGY

4K imaging expression rich in color reproduction is realized by the increased red and blue transmittance ratio – a benefit of the HT-EBC coating with the highest transmittance and lowest reflectivity ratios possible.

High Zoom Ratio and High Contrast Demanded by Field Production

2/3″ 4K ULTRA HDTV ZOOM LENS

UA80x9 BE

Focal length of 9–720mm and a high 80x zoom ratio

From the wide angle 9mm to the telephoto 720mm (up to 1,440mm with the extender), the lens empowers the operator with a broad focal length range delivered with high contrast and edge-to-edge minimization of various aberrations. From sports events to concerts, 4K imaging broadcasts in the field come alive with incredible "live" presence.

Enjoy familiar operational "feel" and "handling" thanks to the same length and mass as our current HD field-use lens (XA99x8.4)

Large-diameter aspherical lens ground and polished to exacting precision. A newly developed zoom method and adoption of a floating focus system. This lens incorporates all these features for unprecedented optical performance in a form with the same length and mass as our current HD field lens. In addition, it is equipped with conventional Zoom/Focus Demand, ensuring the familiar operability of FUJINON lenses.

Stable imaging even at high zoom thanks to Image Stabilization Technology

The lens features high-precision vibration isolation/detection technology and a drive system that facilitates incredibly stable tracking. The superb image stabilization is achieved by proactive control driven by a high-speed CPU running a highly specialized algorithm. Image blur caused by vibrations or swaying due to the wind or shifts in the camera platform, or swingback during operation is minimized for clear, stable image quality.

Newly developed 9-blade iris for natural bokeh

Compared with a conventional 7-blade iris, FUJINON's 9-blade mechanism creates a more circular aperture, enabling a more natural bokeh in video imaging.

6-blade iris F5.6

9-blade iris F5.6

Best suited focus demand for 4K shooting

With the demand for accurate focusing needed for 4K resolution, FUJINON's new focus position demand unit, the EPD-31A, has improved from 14-bit to 16-bit encoding.

Empower 4K Imaging Production with Exceptional Optical Performance and Mobility

2/3″ 4K ULTRA HDTV ZOOM LENS

UA22x8 BE

Focal Length 8–176mm High 22x Zoom Ratio in a Compact Form

By applying proprietary optical simulation technology, FUJINON reduces distortion across the zoom range while delivering high resolution from the center of the lens to the edge areas. Moreover, the achievement of a 4K lens with a high zoom ratio and a compact form answers the issue faced by operation with a 4K PL-mount camera. With this high-performance lens, operators can experience operability similar to HD image production.

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