



CJ20ex5B

5-100mm 1:1.8

4K UHDxs

CANON 4K UHDxs CJ20ex5B PORTABLE LENS

Canon's CJ20ex5B is part of Canon's 4K UHDxs family of broadcast lenses. The UHDxs series provides outstanding optical performance, including sharp resolution from image center to edge and minimized chromatic aberration in virtually any shooting condition.

The CJ20ex5B has a wide-angle focal length of 5mm and 20x zoom, providing a versatile focal length that offers broadcasters several shooting options. In addition to enhanced operability and durability, this portable lens delivers 4K UHD optical performance in a light and compact body.

4K OPTICAL PERFORMANCE

The portable CJ20ex5B 4K UHDxs lens was developed using our exclusive optical design technology to achieve superb optical performance, with 4K resolving power and high contrast from the center of the screen to the edges. As part of our UHDxs family, this lens represents Canon's highest class of broadcast lens offerings. High index optical glass materials, each having unique dispersion characteristics, help minimize chromatic aberrations and geometric distortion. Lens element surface accuracy has been improved significantly over HDTV lenses contributing to the enhanced Modulation Transfer Function (MTF) performance required of 4K imagery. Multi-layer optical coatings combined with strategic deposition processes help ensure a deep black reproduction that is central to HDR imaging.

EXTREME WIDE ANGLE 5.0MM WITH POWERFUL 20X ZOOM

With a wide-angle focal length of 5mm and powerful 20x zoom, the CJ20ex5B can deliver a beautiful panoramic image, as well as tight shots with amazing detail, making it a great fit for a wide variety of applications including television news, sports (especially computer-controlled, stabilized, cable-suspended camera systems above stadiums), and studio shooting.

BUILT-IN 2X EXTENDER

The built-in 2x extender expands the lens to an impressive 200mm on the telephoto end, while maintaining 4K UHD optical performance throughout the entire range.

BT.2020 AND HDR/WCG SUPPORT

The portable CJ20ex5B 4K UHDxs lens features correction data that supports BT.2020, which offers a wider color gamut than the conventional BT.709 broadcasting standard. This enables excellent color reproduction from edge-to-edge when attached to a 4K camera. Like the other UHDxs series lenses, the CJ20ex5B provides optimized chromatic aberration correction based on BT.2020 correction data, helping to enable more lifelike high-resolution video shooting with outstanding tonality and realistic texture and depth.

COMPATIBILITY WITH EXISTING CANON FOCUS AND ZOOM DEMANDS AND ACCESSORIES

The CJ20ex5B IASE S allows for full-servo zoom and focus control and is compatible with Canon's broadcast focus and zoom demands. It allows for the use of zoom and focus control accessories (such as the ZDJ-G01 and FDJ-G01). Alternatively, the CJ20ex5B IRSE S provides servo zoom and manual focus control.

CANON 4K UHDxs CJ20eX5B PORTABLE LENS

PRODUCT NAME: CJ20eX5B 5-100mm 1:1.8

SPECIFICATIONS

BUILT-IN EXTENDER	1.0x	2.0x
FOCAL LENGTH	5 ~ 100mm	10 ~ 200mm
ZOOM RATIO	20x	
MAXIMUM RELATIVE APERTURE	1:1.8 at 5 ~ 61mm 1:2.95 at 100mm	1:3.6 at 10 ~ 122mm 1:5.9 at 200mm
ANGULAR FIELD OF VIEW	96.3° x 64.2° at 4.3mm 8.4° x 4.8° at 65mm	58.3° x 34.9° at 8.6mm 4.2° x 2.4° at 130mm
M.O.D.	0.40m	
OBJECT DIMENSIONS AT M.O.D.	87.1 x 49.0 cm at 5mm 4.2 x 2.4 cm at 100mm	43.6 x 24.54 cm at 10mm 2.1 x 1.2 cm at 200mm
APPROX. SIZE (W x H x L)	6.6 x 4.4 x 9.9 in. (166.3 x 110.8 x 251.7mm)	
APPROX. MASS	4.76 lbs. (2.16kg) IRSE S	

RECOMMENDED ACCESSORIES

OPERABILITY ACCESSORIES

TYPE	PRODUCT NAME
ZOOM CONTROLLER	ZSD-300D ZDJ-P01(BDC-21)*1 ZDJ-D02(BDC-11)*1 ZDJ-G01(BDC-21)*1 ZDJ-GN1(BDC-21)*1 ZDJ-S01(BDC-21)*1
FOCUS CONTROLLER	FPD-400D FPM-420D FFC-200*2 FC-40*2 FFM-100*2 FDJ-G01(BDC-21)*1 FDJ-S01(BDC-21)*1

OPTICAL ACCESSORIES

TYPE	PRODUCT NAME
UV FILTER	UV/127MM-H UV/127
CLEAR FILTER	CL/127MM-H CL/127
POLARIZING FILTER	PL/127

*1: ACC studio lenses can also be used. Note that this requires an adapter cable.

Special caution is required as this may exceed the camera's electrical capacity limits.

*2: Can be attached, but not recommended for 4K shooting.



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Use of genuine Canon accessories is recommended; these products are designed to perform optimally when used with genuine Canon accessories.

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