



**4K** **UHDxs**  
**CJ20eX7.8B**  
7.8-312mm 1:1.8

## CANON 4K UHDxs CJ20eX7.8B ZOOM LENS

This portable 4K lens offers an overall optical performance that will support a broad spectrum of program production genres for UHD broadcast television. Featuring a 20x zoom ratio, the CJ20eX7.8B 4K lens can achieve panoramic vistas and finely detailed close-ups that are central to evocative image making and powerful storytelling when captured in 4K UHD.

### **SUPERB OPTICAL PERFORMANCE**

The lens optimizes all of the optical parameters that combine to produce amazing overall image performance – namely, sharpness, contrast, color and tonal reproduction. At the same time the optical design significantly minimizes the various monochromatic and chromatic optical aberrations that can mar an image.

### **HIGH ZOOM RATIO AND FREQUENTLY USED FOCAL LENGTH**

The lens has a high zoom ratio of 20x that extends from the wide end of 7.8 mm to an impressive tele end of 156 mm, covering a popular zooming range that meets multiple applications.

### **SUPERB 4K OPTICAL PERFORMANCE, EVEN WITH THE BUILT-IN 2X EXTENDER**

With its high-grade optical components and precision optomechanical assembly, the lens maintains 4K optical performance when the built-in 2x extender is switched in.

*\*The FPM-420D focus unit is not supported.*

### **APPLICABILITY AND OPERABILITY IDEALLY SUITED TO 4K SHOOTING**

This long 20x zoom lens has a remarkably low weight of 2.18 kg – a combination that greatly empowers all forms of field production. The now well-established digital drive unit adds to that empowerment wby providing precision operational control and also programmability options for the same. The focus rotation angle has been carefully designed to further support rapid focusing of distant subjects.

### **COMPATIBILITY WITH HD LENS SYSTEMS**

The standard zoom and focus controller systems currently used with Canon HD lenses are fully compatible with this new 4K lens\*. The latest digital drive units that have proven to be so popular with users of Canon HD lenses are deployed with this new lens. Three high-performance encoders (which read out high-accuracy positional information of zoom, focus and iris) are featured, and Connectors provided on the digital drive unit deliver precision digital information to support virtual systems. When this 4K lens is used with standard HDTV cameras, there is higher image sharpness and minimized optical aberrations.

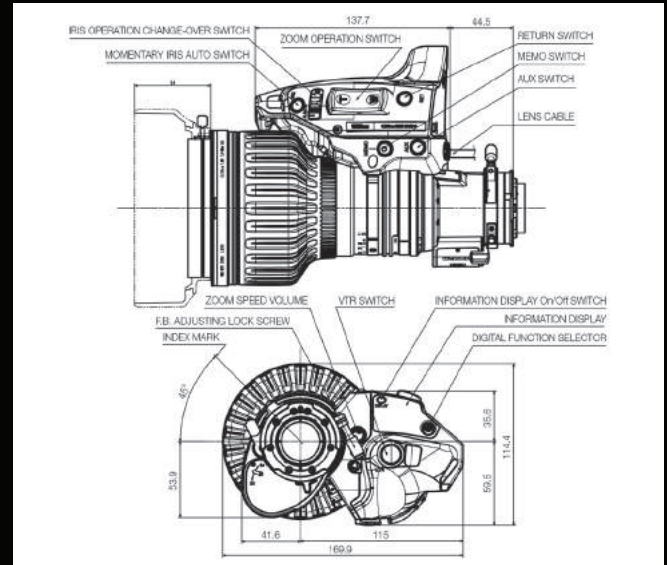
# 4K UHDxs CJ20eX7.8B ZOOM LENS

PRODUCT NAME: CJ20eX7.8B

## SPECIFICATIONS

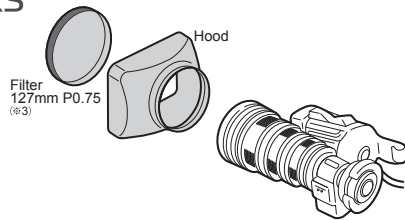
BUILT-IN EXTENDER	1.0x	2.0x
FOCAL LENGTH	7.8-156mm	15.6-312mm
ZOOM RATIO	20x	
MAXIMUM RELATIVE APERTURE	1:1.8 at 7.8 - 108mm 1:2.6 at 156mm	1:3.6 at 15.6 - 216mm 1:5.2 at 312mm
ANGULAR FIELD OF VIEW	63.2°× 38.2° at 7.8mm 3.5°× 2.0° at 156mm	34.2°× 19.6° at 15.6mm 1.8°× 1.0° at 312mm
M.O.D.	0.80 Meter (10mm with Macro)	
OBJECT DIMENSIONS AT M.O.D.	91.7×51.6cm at 7.8mm 4.8×2.7cm at 156mm	45.9×25.9cm at 15.6mm 2.4×1.4cm at 312mm
APPROX. SIZE (W x H x L)	6.7 x 4.5 x 9.1 in (169.9 x 114.4 x 230 mm)	
APPROX. MASS	4.81 lbs (2.18kg)	

## DIMENSIONS

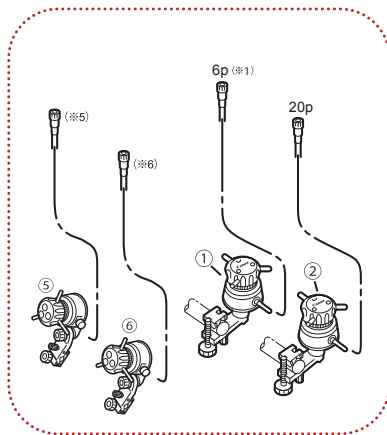


## RECOMMENDED LENS SYSTEM / ACCESSORIES

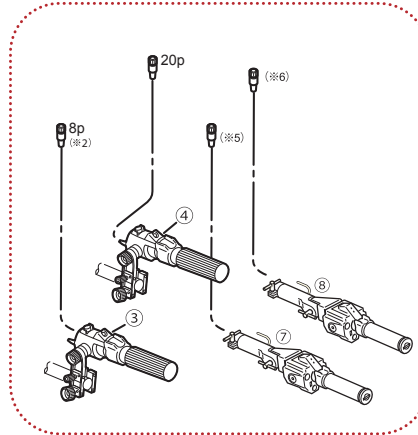
### UHDxs



Focus Servo Controllers (For IASE Lenses)



Zoom Servo Controllers



#	Unit	Description
①	FPD-400*4	Focus Positional Demand
②	FPD-400D	Focus Positional Demand
③	ZSD-300M	Zoom Servo Demand
④	ZSD-300D	Zoom Servo Demand
⑤	FDJ-D02	Digital Focus Demand
⑥	FDJ-P01	Digital Focus Demand
⑦	ZDJ-D02	Digital Zoom Demand
⑧	ZDJ-P01	Digital Zoom Demand

- (※1) CC-2006 conversion cable is necessary to connect between IASE Digital Drive Lens and FPD-400.
- (※2) CC-2008 conversion cable is necessary to connect between New Digital Drive Lens and ZSD-300M.
- (※3) For the optical accessories, the 127mm diameter P0.75 filters are applicable.  
The filters are to be attached to the threaded hood unit.  
(UV/Clear/Cross/Snow Cross/Sunny Cross/Polarized Light/Softon/ ND8)
- (※4) FPD-400 is not available from Canon stock.
- (※5) BDC-11 conversion cable is necessary to connect between New Digital Drive Lens and ZDJ-D02/FDJ-D02
- (※6) BDC-21 conversion cable is necessary to connect between New Digital Drive Lens and ZDJ-P01/FDJ-P01

Specifications subject to change without notice.

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