

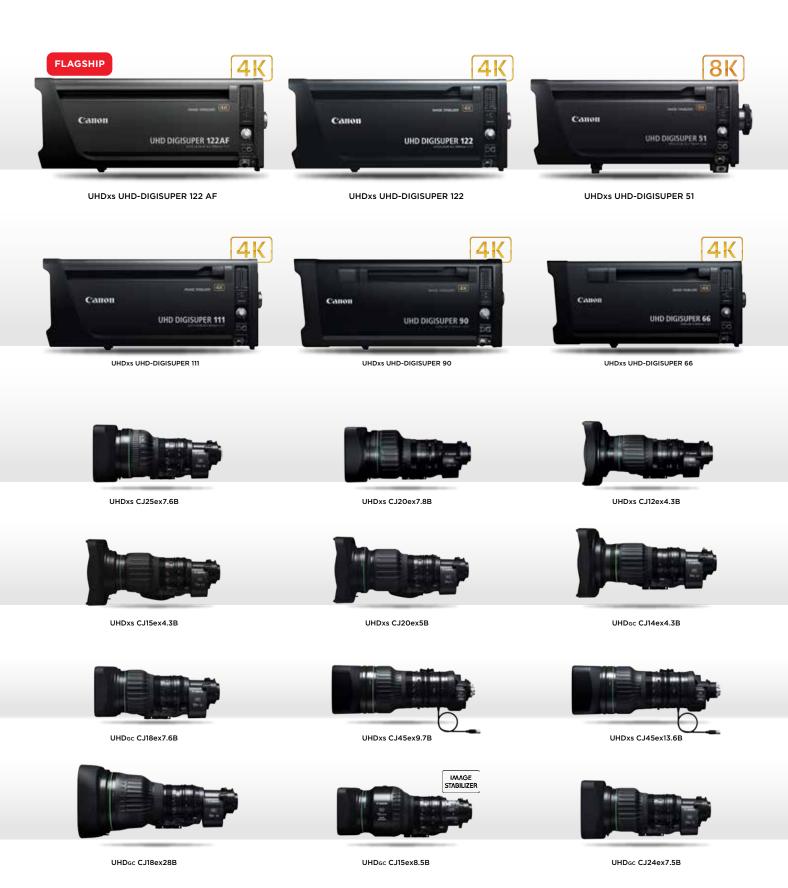
BROADCAST & CINEMA LENS CATALOG





CANON'S LENS TECHNOLOGY:

WELCOME TO THE 8K & 4K ERA









10x16 KAS S



CN-E14-35mm T1.7 L S CN-E14-35mm T1.7 L SP



CN-E31.5-95mm T1.7 L S CN-E31.5-95mm T1.7 L SP



7x10.7 KAS S



CN-E20-50mm T2.4 L F CN-E20-50mm T2.4 L FP



CN-E45-135mm T2.4 L F CN-E45-135mm T2.4 L FP



COMPACT-SERVO 18-80mm T4.4 EF



COMPACT-SERVO 70-200mm T4.4 EF



CINE-SERVO 15-120mm T2.95-3.95 EF CINE-SERVO 15-120mm T2.95-3.95 PL



CINE-SERVO 17-120mm T2.95-3.9 EF CINE-SERVO 17-120mm T2.95-3.9 PL



CINE-SERVO 25-250mm T2.95-3.95 EF CINE-SERVO 37.5-375mm T4.4-5.9 PL



CINE-SERVO 50-1000mm T5.0-8.9 EF CINE-SERVO 50-1000mm T5.0-8.9 PL





























CN-E14mm T3.1 L F

CN-E20mm T1.5 L F

CN-E24mm T1.5 L F

CN-E135mm T2.2

Broadcast Zoom Lens Lineup







Broadcast Studio and Field Lenses



4K UHD 2/3"

UHD-DIGISUPER 122AF **4K Premium**

UHDxs

UHD-DIGISUPER 90

UHD-DIGISUPER 66 4K

UHD-DIGISUPER 122

4K Premium

UHDxs

UHDxs



UHD-DIGISUPER 111 **4K Premium UHD**xs





4K Premium UHDxs

HJ XS

DIGISUPER 80

UHD-DIGISUPER 27

HD 2/3"

DIGISUPER 95 TELE

H) XS

UHDxs



DIGISUPER 95 HJXS

Broadcast ENG/EFP Lenses

4K UHD 2/3"

CJ45e×13.6B 4K UHDxs



CJ45e×9.7B 4K UHDxs



CJ25e×7.6B 4K UHDxs



CJ20e×7.8B 4K UHDxs



CJ12e×4.3B 4K UHDxs



CJ24e×7.5B 4K UHDGC



CJ18ex7.6 4K UHDGC



CJ14ex4.3B 4K UHDGC



CJ18e×28B 4K UHDGC



CJ15ex8.5B 4K UHDGC



CJ20ex5B **4K UHD**xs



CJ15ex4.3B



HD 2/3"

HJ40e×14B HJXs

KJ22e×7.6B

₽€C



HJ40e×10B HJ XS

KJ17e×7.7B

ЮGC



KJ10e×4.5B ₽ÐGC



Pro-Video Lenses

HD 2/3"

KJ20×8.2B (IRSD) ₽ÐGC



KJ20×8.2B (KRSD) ЮGC



KJ13×6B ЮGC



HD 1/2"

KH20×6.4 ₽ĐGC



Remote Controlled Lenses

HD 2/3"

KJ22ex7.6B (ITS-ME/RE)



KJ17ex7.7B (ITS-ME/RE)



KJ20x8.2B (KTS)



HD 1/2"

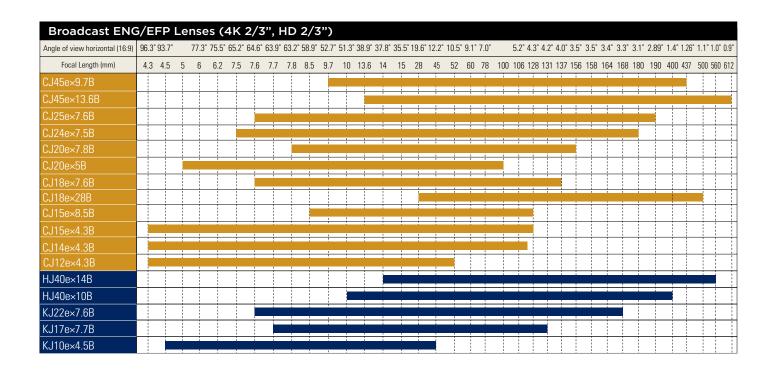
KH20x6.4 (KTS)



CANON BROADCAST LENSES

Focal Length Table

Angle of view horizontal (16:9)	72.9°	66.7°	60.7	°60.1°	58.3°	57.2°	56.1°	° 54.6°	42.3°	39.1°	3.4°	3.1°	1.02°	0.92°	0.81°	0.80°	0.77°	0.69°	0.68°	0.67°0.	65° 0.5	9°0.59°0	J.55°	0.47
Focal Length (mm)	6.5	7.3	8.2	8.3	8.6	8.8	9	9.3	12.4	13.5	161	180	540	600	675	690	710	800	810	820 8	40 92	5 930	1000	1178
UHD-DIGISUPER 122				÷	÷	<u> </u>				÷				-						i,				
UHD-DIGISUPER 111																		- ;						
UHD-DIGISUPER 90																								
UHD-DIGISUPER 66																								
UHD-DIGISUPER 27																								
DIGISUPER 95 TELE																								
DIGISUPER 95																								
DIGISUPER 80								-				-			-									\neg

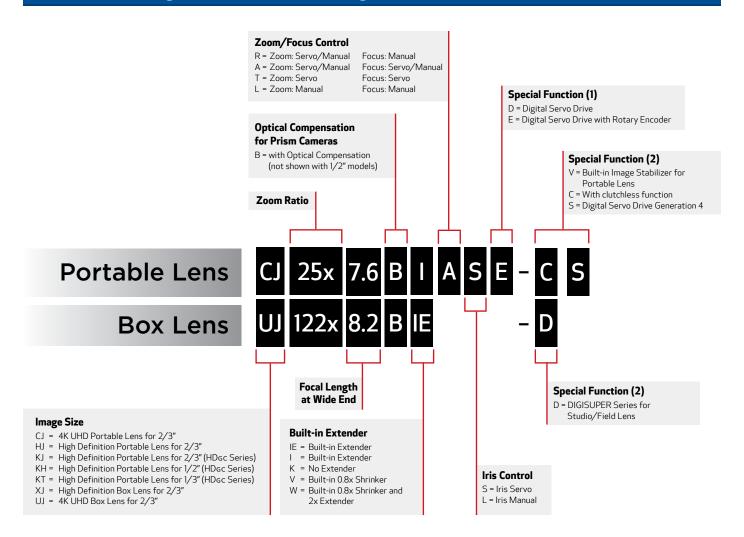


Focal Length Table

Pro-Video Lens	ses	(HE	2/	′3")																											
Angle of view horizontal (16:9)	96.3°	93.7°	77.3	° 75.5°	65.2°	64.6°	63.9°	63.2°	60.7°	58.9	51.3	47.1	° 37.8°	35.5°	19.6°	12.2°	10.5	9.1°	7.0°	5.2° 4	4.3° 4	.2° 4	l.0° 3.	.5° 3	.5° 3.	4° 3.	.3° 3.1	° 1.45	° 1.4° 1.	1° 1.1	5° 1.0°
Focal Length (mm)	4.3	4.5	6	6.2	7.5	7.6	7.7	7.8	8.2	8.5	10	11	14	15	28	45	52	60	78	106	128 1	31 1	37 1	56 1	58 16	64 16	68 18	0 385	400 50	0 52	5 560
KJ20×8.2B																															
KJ13×6B												÷	÷																		

Pro-Video Lens	ses (HD 1/2	")		
Angle of view horizontal (16:9)	75.7°	57.1°	6.8°	3.1°
Focal Length (mm)	4.5	6.4	59	128
KH20×6.4				
KH13×4.5				

Understanding Canon Lens Naming Conventions



Canon Broadcast Lens Technology

Optical Performance

Superb Optical Materials to Produce a High-Performance Lens

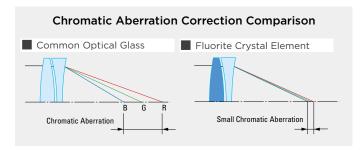
Fluorite · UD Glass · Hi-UD Glass

Unlike conventional optical glass, Fluorite has remarkably low dispersion properties. Realizing the effectiveness of Fluorite glass, Canon has put it to practical use in many lenses. primarily in the anterior section of zoom lenses to help correct telephoto chromatic aberration.



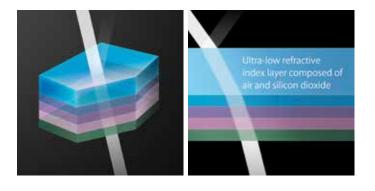
Both UD*1 glass and Hi-UD glass*2 have dispersion properties similar to Fluorite and are effective for correcting chromatic aberration. Due to its high refractive characteristics, Hi-UD glass is especially known for its spherical aberration correction. Used in the anterior and zooming sections of a lens, Hi-UD glass is effective for controlling aberration fluctuation seen when focusing and zooming.

- *1 UD-Ultra Low Dispersion.
- *2 Hi-UD High Index Ultra Low Dispersion.



Air Sphere Coating

In the context of HDR Optical imaging, Air Sphere Coating (ASC) technology is a critically important new innovation in broadcast field lenses. This is a Canon-developed technology that is an additional layer deposited on top of the normal multilayer coatings that are used to minimize numerous internal reflections that conspire to lower light transmission efficiency and to contaminate deep black reproduction. ASC is an ultra-low refractive index silicon dioxide film that includes microscopic air spheres having a sub-nanometer diameter arranged in regular structure. Because these spheres are microscopic when



comparing to the wavelength of visible light and as they are in an ordered array, light does not scatter. In combination with the multilayer coatings, ASC achieves far lower reflectance and significantly reduces flare and ghosting.

Bokeh Effect

When shooting in macro, the focus position of the lens can be changed as the focal length is adjusted, when using the optional MCJ-S02 Macro Controller, creating a bokeh effect. This built-in feature can be utilized to support special techniques in which the focus position can be shifted within the same shot just by using the Macro Controller, allowing for subtle creative defocus effects. This can help provide a degree of creativity when shooting live events such as a concert.

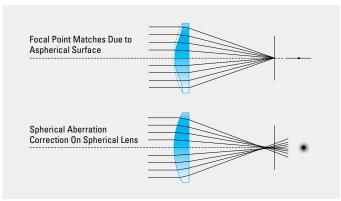


Please see page 16 for Bokeh Effect Controller configuration.

High Quality, Compact Size and Weight

Large Aperture Aspheric Lens

Spherical aberration will increase as the diameter of a spherical lens increases. However, aspheric lenses form an ideal shape for aberration correction and are the desired lens type for improving optical performance. As they are more compact, aspheric lenses reduce the weight of the entire lens system. Through its optical design and large aperture processing techniques, Canon has developed compact, large aperture, high magnification field zoom aspheric lenses. As a result of this development, all highmagnification field zoom lenses released since 2000 have a constant total lens length regardless of zoom ratio.



Focus Breathing Suppression

Constant Angle Focusing System (CAFS)

CAFS is a technology that suppresses view-angle fluctuation (breathing) while focusing. The Zooming Effect of Focus is the phenomenon where the picture size (angle of view) changes when focusing. Canon's 32-bit CPU calculates and controls the zoom when focusing in order to counteract this phenomenon. As a result of CAFS, the UHD-DIGISUPER and DIGISUPER Series has zero Zooming Effect of Focus.

Advanced Design Technology to Help Minimize Various Aberrations

Image Stabilizer (IS)

Canon launched its first field zoom lens with a shift type anti-vibration mechanism in 2000*. Prior to that, Canon introduced the IS-20B anti-vibration adapter for portable zoom lenses. Those cutting-edge technologies, along with the Vari-angle Prism image stabilizer (VAP-IS) lens, helped to usher in the era of optical image stabilization in broadcasting lenses.

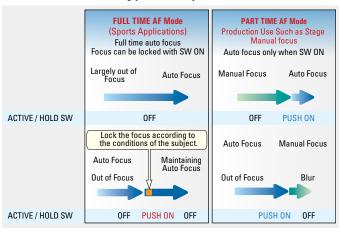
*Adopted for DIGISUPER 86 XS (XJ86 \times 9.3 B). The world's first field zoom lens for broadcasting.

Auto Focus

TTL Secondary Imaging Phase Difference Detection Method

The Secondary Imaging Phase Difference Detection Method, also used in single lens reflex EOS camera lenses, was adopted for broadcast autofocus systems. As a result of this Method, Canon's Auto Focus System has excellent focusing accuracy within the entire zoom range, along with outstanding focusing speed. Due to high performance servo motors, tracking a moving object at high speed can be possible even from a largely out of focus state.

■ Autofocus Two Types of Operation



AF Mode

Select DIGISUPER lenses provide two autofocus modes. "FULL TIME AF" provides continuous autofocus operation allowing the camera operator to focus on framing the subject. "PART TIME AF" allows for temporary autofocus use with manual focus. The modes can be switched on and off as needed, using the ACTIVE/HOLD switch.

AF In-Focus Display

By using the FDJ - P41 dedicated focus demand, you can change the size (3 options) and position of the AF in - focus frame displayed on the viewfinder*.

st To change the in-focus frame, it is necessary to interlock with the camera.





Digital Technology

Digital Servo System/Digital Drive Unit

Since the release of the DIGISUPER 70 in 1995, Canon has been a leader in digital broadcast zoom lens control. Canon's ENG/EFP lenses, having the same digital technology, offer a wealth of features to make shooting more efficient. Canon's digital drive unit is installed in all ENG/EFP and Provideo broadcast lenses.

■ Shuttle Shot

At the touch of a button, this feature allows the operator to zoom back and forth instantly between any two positions at the maximum speed or at any speed memorized in the Speed Presets.







Normal view angle A

Field of view of shuttle memory B

■ Frame Preset

With the Frame Preset feature, a preset frame position can be saved and repeated multiple times.



The angle of view B

■ Speed Preset

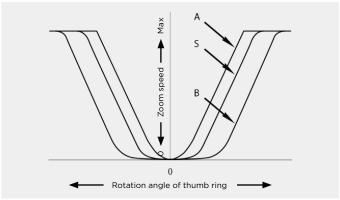
Normal view angle A

Simply press a button to recall the preset zoom speed.



■ Zoom Servo Characteristics

Zoom Servo Characteristics can be selected from nineteen curvature options on the ZDJ-G01 zoom demand.



Zoom Servo Characteristics Example

Virtual Studio System

Canon has a series of HDxs and HDGC (IRSE/IASE version) lenses which are equipped with an enhanced digital drive unit. The digital drive unit's 16-bit encoder makes detection and output of positional information possible at a much higher resolution than an analog position sensor (equivalent to 10 bits). The 16-bit resolution rotary encoder built into the drive unit can be integrated into a virtual studio system. The encoders enable precise control as the zoom servo has a range of 0.5 second quick zooms to over a 5 minute super slow zoom. Repeatabilty in focus and iris control are also precise. Canon's technology has made the encoder device very small, allowing it to be installed in the existing drive unit without adding size or weight.

Further Improving Operational Efficiency

Type S Drive Unit

Canon has improved the operational efficiency of its lenses with the adoption of the Type S Drive Unit *1.

- · Matches the aberration correction function on the camera without initialization at power-on
- Reduced power consumption by about 10% *2 when using a battery as compared with previous versions
- · Real and virtual images can easily be calibrated with highprecision position detection
- Three 20-pin connectors allow for simultaneous full servo and virtual system operation
- · Easy operation with straightforward menu and display
- *1: Please refer to page 6, Understanding Canon Naming Conventions, Special Functions (2)
- *2: When zoom, focus & iris in operation.

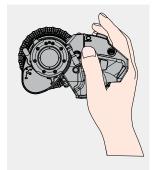
■ Zoom Track

The zoom control range can be set within a more limited range on both the telephoto and wide-angle sides of UHD-DIGISUPER and DIGISUPER Series lenses. With these lenses and the optional ZDJ-P01 zoom demand, the zoom range can be set to virtually any range smaller than the full focal range of the lens. If not used to limit the zoom range, the feature can be used to memorize an additional preset zoom position.

Ergonomic Design

Compact and Lightweight Drive Unit

Canon's HDxs. and HDGC (IRSE/ IASE models) Ergonomic Drive Units are tilted at an ideal angle of 12.5 degrees to realize good balance and comfort. An informational display has been added which now allows the user to customize the enhanced digital functions easily, precisely and fully. The enhanced digital functions are easily accessed and set using the Digital Function Selector, an X-Y axis switch located next to the display.



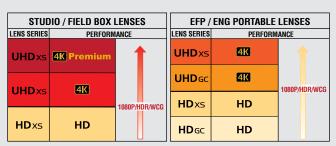
Ergonomic design allows the camera operator's left hand to easily access the focus ring for manual operation.

THE NEW ERA OF

NEW BCTV LENSES DESIGNED TO SUPPORT THE TRANSITION TO 4K UHD CONTENT **CREATION**

HDTV is now firmly established worldwide and HD production is expected to continue for many years to come. Ultra HDTV generally referred to as UHD - has more recently emerged as the next generation of enhanced television service. In 2015 the International Telecommunications union published their ITU-R BT.2020 standard "Parameter Values for UHDTV Systems for Production and international Program Exchange" - that included both 4K UHD and 8K UHD production formats. This standard includes a Wide Color Gamut (WCG). In 2016 they published the ITU-R BT.2100 standard "Image Parameter Vales for High Dynamic Range Television for use in Production and International Program Exchange". This standard specifically applies the High Dynamic Range (HDR) to the HD, 4K UHD, and 8K UHD production formats (all exclusively progressive scan). In September 2017 the industry body - Ultra HD Forum - published their updated Guidelines on technologies and practices that support a commercially deployable Ultra HD real-time linear service with live and pre-recorded content in 2016, which is termed a "UHD Phase A" service. They include 4K UHD and 1080P HD (that includes both HDR and WCG).

These standards and guidelines have spurred increasing attention to the adoption of 4K UHD origination of sports, concerts, and major events. The anticipated protracted coexistence of HDTV and UHDTV has spawned a new generation of 2/3-inch multi format broadcast camera systems - from most of the major international camera manufacturers - that can selectively originate HD or UHD. To support this new era of mixed HD / UHD origination Canon has invested heavily into the development of an array of 2/3-inch 4K UHD broadcast lenses that encompass long zoom field lenses, a studio lens, and a broadening family of portable lenses.



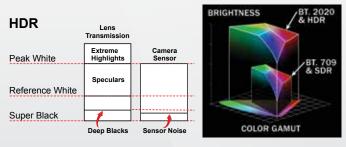
Simplistic mapping of the performance levels within the separate categories of box lenses and portable lenses.

IMPLICATIONS OF HDR AND WCG

Delivering the requisite high image sharpness required for 4K UHD - while simultaneously lowering traditional optical aberrations (that can be more exposed by the high resolution image sensors) - called for multiple innovations in lens design and manufacturing. Lateral chromatic aberration causes color misregistration on high contrast edges within the imagery especially toward picture extremities. Longitudinal chromatic aberration causes color fringing on any speculars with this imagery. HDR and WCG further enhance the visibility of these

ENHANCED HDTV AND UHDTV

aberrations - because of the elevation in the color volume of the camera video - placing a greater onus on suppressing them to where they become subjectively invisible.

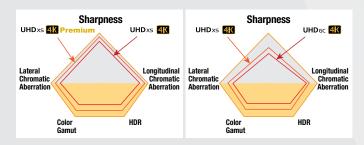


To support HDR the lens must accurately reproduce scene speculars and minimize optical artifacts stimulated by strong scene highlights

UHD LENS PERFORMANCE HIERARCHY

In the case of the large box field and studio lenses and the portable EFP/ENG lenses Canon has created two performance levels in each. A special priority is assigned to elevating image sharpness (the essence of 4K UHD). An attendant high priority underlies design strategies that aggressively curtail the visibility of the two chromatic aberrations. Higher luminance levels and allied greater color volume associated with HDR / WCG combine to elevate the visibility of even small levels of these chromatic aberrations.

In the case of the Box lenses advanced design strategies allied with advanced optical glass materials are mobilized to maintain high image sharpness across the image plane, over the total focal ranges, and over a wide range of object distances. The 4K PREMIUM box lenses take these strategies to a particularly high level to further tighten those optical performance specifications.

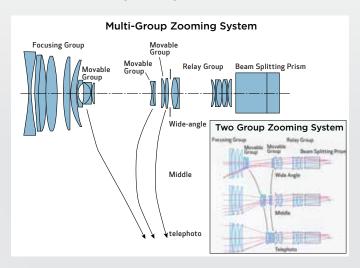


In the case of the portable lenses, similar priorities apply. The UHDxs manifests higher sharpness and lower chromatic aberrations when compared to the UHDgc - although on a different scale to the box lenses.

MULTI-GROUP ZOOMING SYSTEM

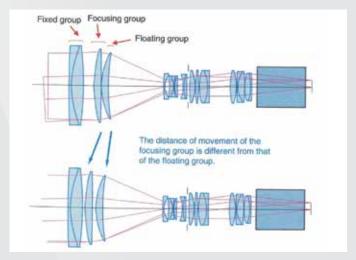
In seeking longer focal ranges for the box field and studio lenses and some of the longer focal length portable lenses, challenges in achieving the requisite zooming speeds while also achieving UHD performance were escalated. This called for a radical new design approach to the zooming optical subsystems. The central goals were to achieve greater control over multiple lens aberrations to help ensure full 4K performance while at the same time expediting an increase in the speed of the zooming action (when the digital drive unit is set to maximum zoom speed).

The traditional two group zooming system (right picture) is being replaced with a three group zooming system (left picture). Three movable groups move differentially with respect to each other over the zoom range. Design optimization consisted in balancing the weight of the three individual groups with their stroke distance during zooming action.



FLOATING FOCUSING SYSTEM

The focus optical subsystem entails high responsibility for numerous optical performance parameters and operational considerations. The lens maximum relative aperture is largely determined by the diameter of this lens input optical grouping. In addition, focus breathing (undesirable alteration to the field angle as the focus control is actuated) characteristics and aberration behavior are associated with this optical subsystem. Overall lens size and weight are heavily proportional to decisions made in the overall design of this system. Central to the design is curtailing the size and weight of the moving lens system. To help ensure UHD optical performance focus fluctuations must be suppressed - and this was accomplished by using two separate moving groups.



New innovations in a floating focus group support 4K UHD performance while curtailing size and weight

Broadcast Studio/Field Lenses

4K UHD 2/3 UHD-DIGISUPER 122AF **UHD**xs UHD-DIGISUPER 122 UHD xs UHD-DIGISUPER 111 UHD xs UHD-DIGISUPER 27 UHD xs 4K Premium IMAGE STABILIZER 4K Premium 4K Premium Appearance Model Name UJ122x8.2B AF UJ122×8.2B UJ111×8.3E Zoom Ratio Focal Length 8.2 – 1000 mm 16.4 – 2000 mm 8.2 ~ 1000mm 16.4 ~ 2000mm (2.0x) 8.3 ~ 925mm 16.6 ~ 1850 mm (2.0x) 6.5 ~ 180mm 13 ~ 360mm (2.0x) Maximum Relative Aperture 1:1.7 [8.2-340mm] 1:5.0 [1000mm] F1.7 (8.2 ~ 340mm) F5.0 (1000mm) F3.4 (16.4 ~ 680mm) F10.0 (2000mm) F1.7 (8.3 ~ 340mm) F4.65 (925mm) F3.4 (16.6 ~ 680mm) F9.3 (1850mm) F1.5 (6.5 ~ 123mm) F2.2 (180mm) F3.0 (13 ~246mm) F4.4 (360mm) 1:3.4 [16.4-680mm] 1:10.0 [2000mm] Angular Field 60.7°×36.5° (8.2mm) 60.7° x 36.5° [8.2mm] 32.6° x 18.7° [16.4mm] 32.6°×18.7° (16.4mm) 60.1°× 36.0° (8.3mm) 32.3°× 18.5° (16.6mm 72.9°× 45.1° (6.5mm) 40.5°× 23.5° (13mm) of View 0.55°×0.31° (100mm) 0.28°×0.15° (2000mm) 0.59°× 0.33° (925mm) | 0.30°× 0.17° (1850mm 3.1°× 1.7° (180mm) 1.5°× 0.9° (360mm) 0.55° x 0.31° [1000mm] M.O.D. Object Dimensions 314.8×177.1cm (8.2mm) 157.4×88.6cm (16.4mm) 106.1×59.7cm (6.5mm) 53.1×29.9cm (13mm) 314.6x177.0cm1 [8.2mm] 157.3x88.5cm1 [16.4mm] 1.4×0.8cm (2000mm) 1.9×1.1cm (360mm) 2.7x1.5cm [1000mm] 1.4x0.8cm[2000mm] 2.7×1.5cm (1000mm) 3.8×2.1cm (180mm) at M.O.D.* Approx. Size (WxHxL) 9.9x10.1x25.1 in. (250.6×255.5×637.4mm) 9.9x10.1x25.1 in. (250.6×255.5×637.4mm) 9.9x10.1x21.7 in. (250.6×255.5×550mm) Approx. 250.6 x 255.5 x 662.0 mm Approx. Weight 58.6 lbs (26.6kg) 🔆 61.73 lbs (28.0kg) * 58.6 lbs (26.6kg) ※ 47.4 lbs (21.5kg) ※

UHD-DIGISUPER 90 UHDxs UHD-DIGISUPER 66 UHDxs Appearance Model Name UJ90×9B UJ66×9E Zoom Ratio Focal Length 9 ~ 810mm 18 ~ 1620mm (2.0x) 9 ~ 600mm 18 ~ 1200mm (2.0x) Maximum Relative Aperture F2.4 (9 ~ 486mm) F4.0 (810mm) F4.8 (18 ~ 972mm) F8.0 (1620mm) F1.7 (9 ~ 340mm) F3.0 (600mm) F3.4 (18 ~ 680mm) F6.0 (1200mm) Angular Field 56.1°× 33.4° (9mm) 56.1°×33.4° (9mm 29.9°×17.1° (18mm) 29.9°× 17.1° (18mm of View 0.68°×0.38° (810mm) 0.34°×0.19° (1620mm) 0.92°× 0.52° (600mm) 0.46°× 0.26° (1200mm) M.0.D. Object Dimensions at M.O.D.* 287.9×161.9cm (9mm) 144.0×81.0cm (18mm) 287.9×161.9 cm (9mm) 144.0×81.0 cm (18mm) 1.7×1.0cm (1620mm) 4.4×2.5 cm (600mm) 3.3×1.9cm (810mm) 2.2×1.3 cm (1200mm) Approx. Size (WxHxL) 9.9x10x24 in. (250.0 ×255.5×610mm) 9.9x10.1x24.0 in. (250.6×255.5×610mm) Approx. Weight 51.2 lbs (23.2kg) >> 51.1 lbs (23.2kg) ※

UHD-DIGISUPER 122: Highlights

High Zoom Ratio and Long Focal Length

Fulfilling the demands of professional broadcast demands, the UHD-DIGISUPER 122 lens combines a high zoom ratio with performance that surpasses 4K requirements.

Air Sphere Coating (ASC) Technology

This is a Canon-developed technology that is an additional coating deposited on top of the normal multilayer coatings. By doing so, unwanted internal reflections which contaminate deep blacks and lower light transmission are minimized to deliver better image quality.

Elimination of Image "Lag" **Following Operational** Pan/Tilt Movements

The image stabilization system must be capable of distinguishing between unwanted shake to the lens-camera system and deliberate operator movement of the camera

In the UHD-DIGISUPER 122 lens, new correction methods have been implemented. As a result, the vibration component of the sensor detection signal and the panning operation component can be separated rapidly and with high accuracy.

Ideally Suited to 4K Shooting

The UHD-DIGISUPER 122 is ideal for high end live sports and broadcast programming due to it's exceptional optical performance that ensures it meets all 4K broadcasting requirements.



Compatibility with HD Lens Systems

The lens enables the use of the same Canon standard controllers for zoom and focus as well as servo modules currently used by HD equipment. It comes with a 20-pin connector compatible with virtual units and that enables high-accuracy position information of the zoom, focus and iris to be read out.

Bokeh Effect Controller

When shooting in macro, the focus position of the UHD-DIGISUPER 122 can be changed as the focal length is adjusted, when using the optional MCJ-S02 Macro Controller. This built-in feature can be utilized to support special techniques in which the focus position can be shifted within the same shot just by using the Macro Controller, allowing for subtle creative defocus effects. This can help provide a degree of creativity when shooting live events such as a concert.

Broadcast Studio/Field Lenses





Weight of lens body only (does not include servo module).
* M.O.D. = Minimum Object Distance.

Control Accessories for Studio/Field Lenses

Zoom Demand

ZDJ-G01 ZDJ-S01



Main Features

Frame Preset/Shuttle **Shot/Speed Preset**

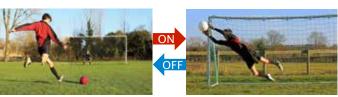
ZDJ-G01 ZDJ-S014

Zoom Track

ZDJ-G01 ZDJ-S01

This function moves to a preset zoom position with the push of a switch. Frame preset and shuttle shot each moves at maximum speed, while speed preset moves at a preset speed. Letting go of the switch in shuttle shot returns to the original position. Moving speed with framing preset can be set with the ZDJ-G01.

⁴ Supports framing preset only



Normal view angle A Shuttle memory angle B

Zoom control range can be set for both the wide angle and telephoto sides, to control zoom range required for actual shooting.

Other Functions

ZDJ-G01

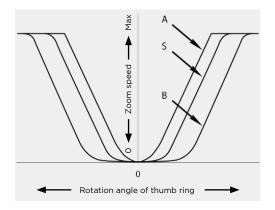
User settings can be registered and functions can be assigned to switches from the display screen. Preset speeds can also be set, and curves can be selected. Users can also check connection status and see whether various functions are on or off.

Control Accessories for Studio/Field Lenses

Zoom Curve

With zoom demand, the zoom curve (zoom speed curve characteristics according to thumb ring rotation angle) can be selected from provided patterns. The ZDJ-S01 features three types of zoom curves in total, while the ZDJ-G01 offers a total of 19 types; from these, three types of curves can be assigned to the selector switch so users can set the optimum zoom curve for the shooting setting, such as studio recording or live sports.

Available Zoom Curves



Output Curve 00*

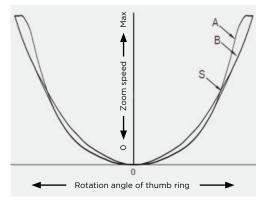
This is the standard zoom curve available in the ZDJ-G01/ S01. Curve A offers a faster zoom speed with smaller thumb ring rotation angle, making it ideal for high-speed zoom operation. Curve B is the opposite of Curve A, making it useful for operation at lower zoom speeds. Curve S is

Default setting on the ZDJ-G01

midway between A and B.



ZDJ-G01 ZDJ-S01



Output Curve 09

This is an example of the selectable zoom curves available with the ZDJ-G01. This zoom curve is ideal for fine zoom operation at medium speed. Curve A gives more priority to fine zoom operation, while Curve B places greater emphasis on trackability. Curve S is similar to A in low speed ranges, and similar to Curve B in high speed ranges.

Curve Selection and Settings



Display Makes Curve Settings Simple and Clear

In line with Canon's aim to maximize operator comfort and convenience, a built in LCD screen on the ZDJ-G01 allows for easy selection of zoom curves as well as rocker direction. This allows operators to change curve settings to suit any changes in the operating environment on the fly.

ZDJ-G01 ZDJ-S01

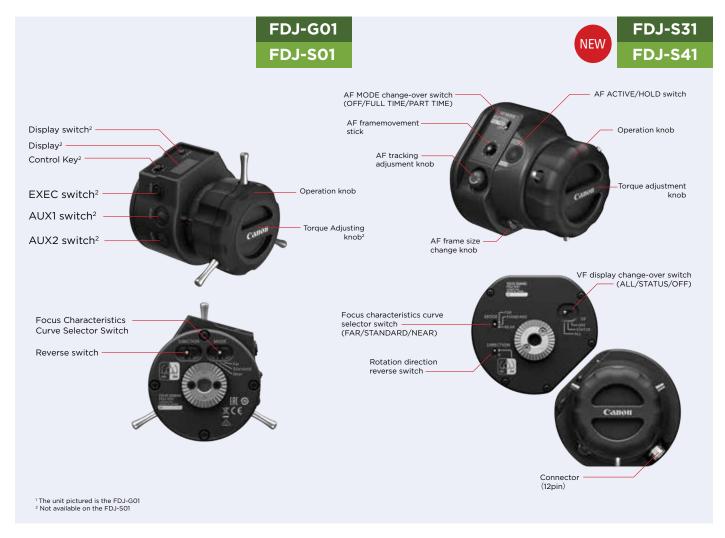


Switch Curves Directly with Switch on Side of Unit

Switch from among three zoom curves including the assigned output curves according to the situation.

ZDJ-G01 **ZDJ-S01**

Focus Demand



Main Features

FDJ-G01

Focus Range Limit

Focusing within the required range is made possible by limiting the focus range to the subject's range of movement. This is effective for situations such as sports and stage events where subjects are restricted to a certain space and focus range is fixed to some extent.



Focus Preset

This feature lets users move from the current position to a predetermined focus position with the push of a switch. When released, focus returns to the position shown on the operation knob.



Fine Focus Mode 1/2

This function adjusts precision of focusing. Setting 1 sets a range and enables fine focusing within that range. Setting 2 enables fine focusing from the current focus position.



Other Features

User settings can be registered and functions can be assigned to switches from the display screen. Preset speeds can also be set, and curves can be selected. Users can also check connection status and see whether various functions are on or off.

Control Accessories for Studio/Field Lenses

Focus Curve

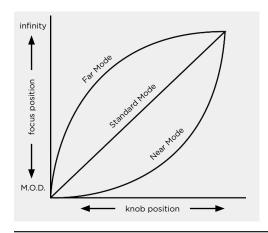
With the focus demand, the focus curve (focus position in relation to knob position) can be selected from provided patterns. The FDJ-S01 features three types of focus curves in total, while the FDJ-G01 offers a total of 19 types; users can switch between 9 types in Far mode and Near mode to choose the optimum focus curve for the shooting situation.

Available Focus Curves

Focusing within the required range is made possible by limiting the focus range (subject distance). This is effective for situations such as stage performances, where focus range is fixed to some extent.

FDJ-G01 FDJ-S01

FDJ-S31



Far Mode

This is the curve in which the focus position changes less the more the knob is turned toward the infinity side. This makes fine adjustments easy on the infinity side.

Standard Mode

This is the standard mode where focus position change is in direct relation to knob operation.

Near Mode

This is the opposite of Far mode, in which focus position changes less the more the knob is turned toward the close side. This makes fine adjustments easy on the close side.

AF Function-switch



AF MODE Change-Over Switch

The AF MODE switch offers three modes including OFF. Users can select from OFF, FULL TIME, and PART TIME.

- OFF: When AF function is not used (AF does not move).
- FULL TIME: Always in AF mode.
- PART TIME: Starts AF mode when ACTIVE/HOLD switch is pressed.

ACTIVE

AF ACTIVE/HOLD switch

The function changes as follows depending on the AF MODE selection.

- When AF MODE is at PART TIME
- AF movement is ACTIVE, and AF movement continues while the switch is pressed.
- When AF MODE is at FULL TIME AF movement is at HOLD, and focus position is maintained while the switch is pressed.



Viewfinder (VF) display change-over switch

This switch lets users select AF frame and focus status display on the viewfinder and provides the following three modes.

- OFF: AF frame and focus status are not displayed
- STATUS: Focus status is displayed
- ALL: AF frame and focus status are displayed

Curve Selection and Settings







Display Makes Curve Settings Simple and Clear

The nine types² of focus curves in Far and Near modes can be assigned to the curve selector switch easily using the display.





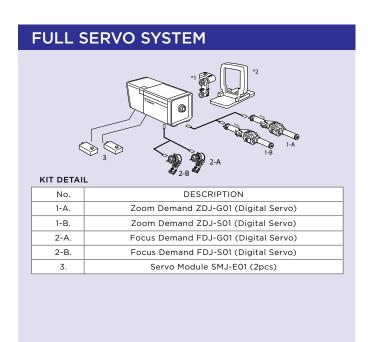
Switch on Side of Unit Makes Selecting Faster

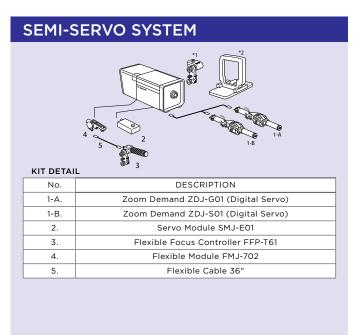
Users can switch between three assigned focus curves depending on usage situation.

Control Accessories for Studio/Field Lenses

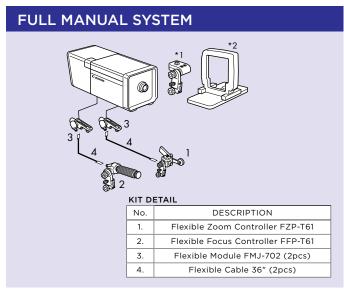
DIGITAL UHD-DIGISUPER/DIGISUPER Series

UHD-DIGISUPER 122 AF / UHD-DIGISUPER 122 / UHD-DIGISUPER 111 / UHD-DIGISUPER 90 / UHD-DIGISUPER 66 / UHD-DIGISUPER 27 / DIGISUPER 95 TELE / DIGISUPER 95 / DIGISUPER 80 / DIGISUPER 27

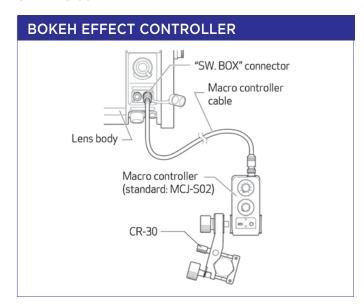




For: All UHD-DIGISUPER / **DIGISUPER Lenses**



For: UHD-DIGISUPER 122/ UHD-DIGISUPER 122 AF **UHD-DIGISUPER 111**

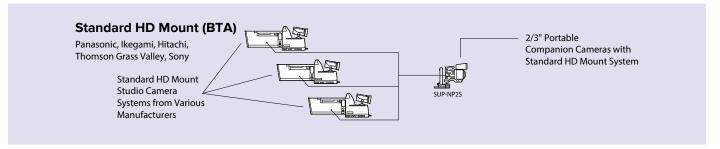


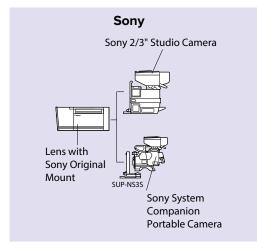
- *1: Switch Box is optionally available. The equivalent switches are integrated into Zoom Demands. It is recommended to have the Switch Box with Full Manual System.
- *2: Lens Supporter is necessary for portable camera mounting. Some cameras need separate power supply for zoom and focus servo operation.
- *3: For DIGISUPER 100AF, DIGISUPER 86AF, and DIGISUPER 27AF, FDJ-P41 is necessary to control the AF function. FDJ-P31 is also available for right hand users.
- Zoom Demand and Focus Demand with Pre-set Box is also available.
- For detail information, please contact a Canon Sales Office.

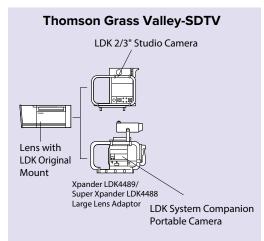
Studio/Field Lenses Mount Compatibility

To Use Camera Manufacturer's Original Mount Lens

Studio/Field lenses are made with mounts corresponding to each manufacturer's Studio/Field cameras. To make the lenses compatible with Portable Studio/Field Companion cameras, the correct lens Support System must be chosen from the following:







Please confirm with camera manufacturer regarding the proper supporter to use. Some manufacturers vary by camera model.

Broadcast ENG/EFP Lenses

4K UHD 2/3"							
	CJ45e×13.6B	UHD xs	CJ45e×9.7B	UHD xs	CJ25e×7.6B	UHD xs	
Appearance		IMAGE STABILIZER LCD DISPLAY 4K		IMAGE STABILIZER LCD DISPLAY 4K	10	LCD DISPLAY 4K	
Model Name	CJ45ex13.6	SB IASE-V H	CJ45ex9.7	'B IASE-V H	CJ25ex7.6B	IRSE S/IASE S	
Zoom Ratio	4:	5×	4	5×	2	25×	
Focal Length	13.6 ~ 612mm	27.2 ~ 1224mm (2.0x)	9.7 ~ 437mm	19.4 ~ 874mm (2.0x)	7.6 ~ 190mm	15.2 ~ 380mm (2.0x)	
Maximum Relative Aperture	F1:2.8 (13.6 ~ 312mm) F1:5.5 (612mm)	F1:5.6 (27.2 ~ 624mm) F1:11.0 (1224mm)	F1:2.0 (9.7 ~ 224mm) F1:3.9 (437mm)	F1:4.0 (19.4 ~ 448mm) F1:7.8 (874mm)	F1.8 (7.6 ~ 1108mm) F2.9 (190mm)	F3.6 (15.2 ~ 236mm) F5.8 (380mm)	
Angular Field of View	38.9°×22.5° (13.6mm) 0.90°×0.51° (612mm)	20.0°×11.3° (27.2mm) 0.45°×0.25° (1224mm)	52.7°×31.1° (9.7mm) 1.26°×0.71° (437mm)	27.8°×15.8° (19.4mm) 0.63°×0.35° (874mm)	64.6°×39.1° (7.6mm) 2.89°×1.63° (190mm)	35.1°×20.1° (15.26mm) 1.458°×0.81° (380mm)	
M.O.D.* from Lens Front	2.5	Bm	2.	8m	0	.8m	
Object Dimensions at M.O.D.*	182.9×102.9cm (13.6mm) 4.2×2.4cm (612mm)	91.5×51.5cm (27.2mm) 2.1×1.2cm (1224mm)	254.3×143.0cm (9.7mm) 5.8×3.3cm (437mm)	127.2×71.5cm (19.4mm) 2.9×1.7cm (874mm)	93.9×52.8cm (7.6mm) 3.9×2.2cm (190mm)	48.1×27.1cm (15.2mm) 2.0×1.1cm (380mm)	
Filter Thread Size (Hood/Lens Barrel)	-/ 127n	nm P0.75	- / 127r	mm P0.75	105mm P1 / 94mm P1		
Approx. Size (WxHxL)	6.8×5.8×14.0 in. (17	3.2×147.5×355.0mm)	6.8×5.8×13.3 in. (17	3.2×147.5×337.0mm)	6.8x4.5x8.8 in. (169.6×114.4×223.3mm)		
Approx. Weight	12.4 lb	(5.64kg)	12.3 lbs	(5.60kg)	4.4 lb (1.99kg)		

4K UHD 2/3"							
	CJ12e×4.3B	UHD xs	CJ14e×4.3B	UHD GC	CJ15ex4.3B	UHD xs	
Appearance		LCD AK		LCD DISPLAY 4K	NEW ()	LCD USPLAY 4K	
Model Name	CJ12e×4.3B II	RSE S/IASE S	CJ14ex4.3B II	RSE S/IASE S	CJ15e	x4.3B	
Zoom Ratio	12	!x	14	4×	15	ΣX	
Focal Length	4.3 ~ 52mm	8.6 ~ 104mm (2.0x)	4.3 ~ 60mm	8.6 ~ 120 mm (2.0x)	4.3 - 65mm	8.6 - 130mm	
Maximum Relative Aperture	F1.8 (4.3 ~ 40mm) F2.4 (52mm)	F3.6 (8.6 ~ 80mm) F4.8 (104mm)	F1:1.8 (4.3 ~ 40 mm) F1:2.7 (60mm)	F1:3.6 (8.6 ~ 80mm) F1:5.4 (120mm)	1:1.8 at 4.3 - 40mm 1:2.9 at 65mm	1:3.6 at 8.6 - 80mm 1:5.8 at 130mm	
Angular Field of View	96.3°×64.2° (4.3mm) 10.5°×5.9° (52mm)	58.3°×34.9° (8.6mm) 5.3°×3.0° (104mm)	96.3°×64.2° (4.3mm) 9.1°×5.2° (60mm)	58.3°×34.9° (8.6mm) 4.6°×2.6° (120mm)	65.2°×39.6° (7.5mm) 3.1°×1.7° (180mm)	35.5°×20.4° (15mm) 1.5°×0.9° (360mm)	
M.O.D.* from Lens Front	0.3	lm	0.3	10m	0.30m		
Object Dimensions at M.O.D.*	76.4×43.0cm (4.3mm) 6.0×3.4cm (52mm)	38.2×21.5cm (8.6mm) 3.0×1.7cm (104mm)	76.4×43.0 cm (4.3mm) 5.2×2.9 cm (60mm)	38.2×21.5 cm (8.6mm) 2.6×1.5 cm (120mm)	76.1 × 42.8cm at 4.3mm 4.9 × 2.8cm at 65mm	38.1 × 21.4cm at 8.6mm 2.5 × 1.4cm at 130mm	
Filter Thread Size (Hood/Lens Barrel)	127mm F	P0.75 / —	127mm F	P0.75 / –	127mm P0.75 / -		
Approx. Size (WxHxL)	6.4x4.3x9.8 in. (163	5×108.0×247.8mm)	6.4×4.3×9.8 in. (163	1.5×108.0×247.8mm)	163.0 × 107.6 × 249.6mm		
Approx. Weight	4.63 lbs (2.1	kg (IRSE S))	4.7 lb (2.11k	(g, (IRSE S))	2.19kg (IASE S)		

4K UHD 2/3"							
	CJ24e×7.5B	UHD GC	CJ18e×7.6B	UHDGC	CJ20e×7.8B	UHD xs	
Appearance		LCD DISPLAY 4K		LCD DISPLAY 4K		LCD DISPLAY 4K	
Model Name	CJ24ex7.5B II	RSE S/IASE S	CJ18ex7.6B II	RSE S/IASE S	CJ20e×7.	8B IASE S	
Zoom Ratio	24	4×	18	3×	2	0×	
Focal Length	7.5 ~ 180mm	15.0 ~ 360mm (2.0x)	7.6 ~ 137 mm	15.2 ~ 274 mm (2.0x)	7.8 ~ 156mm	15.6 ~ 312mm (2.0x)	
Maximum Relative Aperture	F1:1.8 (7.5 ~ 120mm) F1:2.7 (180mm)	F1:3.6 (15 ~ 240mm) F1:5.4 (360mm)	F1:1.8 (7.6 ~ 103mm) F1:2.4 (137mm)	F 1:3.6 (15.2 ~ 206mm) F1:4.8 (274mm)	F1.8 (7.8 ~ 108mm) F2.6 (156mm)	F3.6 (15.6 ~ 216mm) F5.2 (312mm)	
Angular Field of View	65.2°×39.6° (7.5mm) 3.1°×1.7° (180mm)	35.5°×20.4° (15mm) 1.5°×0.9° (360mm)	64.6°×39.1° (7.6mm) 4.0°×2.3° (137mm)	35.1°×20.1° (15.2mm) 2.0°×1.1° (274mm)	63.2°×38.2° (7.8mm) 3.5°×2.0° (156mm)	34.2°×19.6° (15.6mm) 1.8°×1.0° (312mm)	
M.O.D.* from Lens Front	0.8	0m	0.5	6m	0.	8m	
Object Dimensions at M.O.D.*	96.0×54.0 cm (7.5mm) 4.1×2.3 cm (180mm)	48.0×27.0 cm (15mm) 2.1×1.2 cm (360mm)	65.5×36.8 cm (7.6mm) 3.8×2.1 cm (137mm)	32.8×18.4 cm (15.2mm) 1.9×1.1 cm (274mm)	91.7×51.6cm (7.8mm) 4.8×2.7cm (156mm)	45.9×25.8cm (15.6mm) 2.4×1.4cm (312mm)	
Filter Thread Size (Hood/Lens Barrel)	105mm P1	/ 94mm P1	- / 82m	m P0.75	105mm P1 / 94mm P1		
Approx. Size (WxHxL)	6.5×4.3×8.7 in. (164	.6×109.1×221.4mm)	6.3×4.1×8.1 in. (160	.5×105.0×206.2mm)	6.7x4.5x9.1 in. (169.9×114.4×230.0mm)		
Approx. Weight	4.0 lb (1.82	kg, (IRSE S))	3.3 lb (1.65	kg, (IRSE S))	4.81 lb (2.18kg)		

^{*} M.O.D. = Minimum Object Distance.

Broadcast ENG/EFP Lenses

4K UHD 2/3"							
	CJ20e×5B	UHD xs	CJ18e×28B	UHD GC	CJ15e×8.5B UHDGC		
Appearance	NEW	LCD DISPLAY 4K		LCD DISPLAY 4K	IMAGE STABILIZER LCD DISPLAY 4K		
Model Name	CJ20e×5	B IASE S	CJ18e×2	BB IASE S	CJ15e×8.5B KRSE-V		
Zoom Ratio	20	×	1	B×	15×		
Focal Length	5 ~ 100mm	10 ~ 200mm (2.0x)	28 ~ 500mm	56 ~ 1000mm (2.0x)	8.5 ~ 128mm		
Maximum Relative Aperture	F1.8 (5 ~ 61mm) F2.95 (100mm)	F3.6 (10 ~ 122mm) F5.9 (200mm)	F2.8 (28 ~ 286mm) F4.9 (500mm)	F5.6 (56 ~ 572mm) F9.8 (1000mm)	F2.5 (8.5 ~ 68mm) F4.7 (128mm)		
Angular Field of View	87.7°×56.7° (5mm) 5.5°×3.1° (100mm)	51.3°×30.2° (10mm) 2.7°×1.5° (200mm)	19.5°×11.0° (28mm) 1.10°×0.62° (500mm)	9.8°×5.5° (56mm) 0.55°×0.31° (1000mm)	58.9°× 35.2° (8.5mm) 4.3°× 2.4° (128mm)		
M.O.D.* from Lens Front	0.4	m	2.21	n	0.8m		
Object Dimensions at M.O.D.*	87.1×49.0cm (5mm) 4.2×2.4cm (100mm)			35.5×20.0cm (56mm) 2.1×1.2cm (1000mm)	95.8×53.9cm (8.5mm) 6.4×3.6cm (128mm)		
Filter Thread Size (Hood/Lens Barrel)			127mm	P0.75 / –	- / 82mm P0.75		
Approx. Size (WxHxL)	6.5x4.4x9.9 in. (166.	3×110.8×251.7mm)	7.0x4.8x10.6 in. (17	7.8×122.5×268.3mm)	6.7x4.6x9.4 in. (170.2×116.2×239.5mm)		
Approx. Weight	4.94 lbs (2.24	lkg (IASE S))	6.08 lb (2.76	6kg (IASE S))	4.48 lbs (2.03kg (KRSE-V S))		

HD 2/3"							
	HJ40e×14B	H J/s	HJ40e×10B	HD Xs	HJ21e×7.5B	HJXs	
Appearance		IMAGE STABILIZER		IMAGE STABILIZER		LCD DISPLAY	
Model Name	HJ40ex148	B IASE-V H	HJ40ex10l	B IASE-V H	HJ21e×7.5	5B IASE S	
Zoom Ratio	40)×	40)×	21	×	
Focal Length	14 ~ 560mm	28 ~ 1120mm (2.0x)	10 ~ 400mm	20 ~ 800mm (2.0x)	7.5 ~ 158mm	15 ~ 316mm (2.0x)	
Maximum Relative Aperture	F2.8 (14 ~ 307mm) F5.1 (560mm)	F5.6 (28 ~ 614mm) F10.2 (1120mm)	F2.0 (10 ~ 220mm) F3.65 (400mm)	F4.0 (20 ~ 440mm) F7.3 (800mm)	F1.9 (7.5 ~ 116mm) F2.6 (158mm)	F3.8 (15 ~ 232mm) F5.2 (316mm)	
Angular Field of View	37.8°× 21.8° (14mm) 1.0°× 0.6° (560mm)	19.4°×11.0° (28mm) 0.5°×0.3° (1120mm)	51.3°×30.2° (10mm) 1.4°×0.8° (400mm)	27.0°×15.4° (20mm) 0.7°×0.4° (800mm)	65.2°×39.6° (7.5mm) 3.5°×2.0° (158mm)	35.5°×20.4° (15mm) 1.7°×1.0° (316mm)	
M.O.D.* from Lens Front	2.8	3m	2.8	3m	0.89	5m	
Object Dimensions at M.O.D.*	177.1×99.5cm (14mm) 4.5×2.5cm (560mm)	88.6×49.8cm (28mm) 2.3×1.3cm (1120mm)	248.4×139.7cm (10mm) 6.2×3.5cm (400mm)	124.2×69.9cm (20mm) 3.1×1.8cm (800mm)	120.4×67.7cm (7.5mm) 5.6×3.2cm (158mm)	60.2×33.9cm (15mm) 2.8×1.6cm (316mm)	
Filter Thread Size (Hood/Lens Barrel)	— / 127r	mm P0.75	— / 127n	nm P0.75	127mm P0.75 / —		
Approx. Size (WxHxL)	6.6x5.2x14 in. (167	.5x133.0x355.5mm)	6.6x5.2x13.2 in. (16	7.5x133.0x355.4mm)	6.9×4.8×10.2 in. (175.2×122×260.1mm)		
Approx. Weight	12.2 lbs	(5.55 kg)	12.1 lbs	(5.5 kg)	5.94 lbs (2.69kg)		

^{*} M.O.D. = Minimum Object Distance.

Broadcast ENG/EFP Lenses

HD 2/3"							HD 1/3"		
	KJ22ex7.6E	њас	KJ17ex7.7E	В Ю СС	KJ10ex4.5E	њас	KT17ex4.3B	њас	
Appearance	Ó	LCD DISPLAY		LCD DISPLAY	0	WIDE LCD DISPLAY	Ó	LCD	
Model Name	KJ22ex7.6B II	KJ22ex7.6B IRSE S/IASE S		RSE S/IASE S	KJ10ex4.5B IF	RSE S/IASE S	KT17ex4.	3B IRSE S	
Zoom Ratio	22	2x	1	7x	10	x	1	7x	
Focal Length	7.6~168mm	15.2~336mm (2.0x)	7.7~131mm	15.4~262mm (2.0x)	4.5~45mm	9~90mm (2.0x)	4.3~73mm	8.6~146mm (2.0x)	
Maximum Relative Aperture	1:1.8 at 7.6~116.3mm 1:2.6 at 168mm	1:3.6 at 15.2~232.6mm 1:5.2 at 336mm (2.0x)	1:1.8 at 7.7~102.5mm 1:2.3 at 131mm	1:3.6 at 15.4~205mm 1:4.6 at 262mm	1:1.8 at 4.5~34.5mm 1:2.35 at 45mm	1:3.6 at 9~68.9mm 1:4.7 at 90mm	1:1.4 at 4.3~73mm	1:2.8 at 8.6~146mm	
Angular Field of View	64.6°x39.1° at 7.6mm 3.3°x1.8° at 168mm	35.1°x20.1° at 15.2mm 1.6°x0.9° at 336mm	63.9°x38.6° at 7.7mm 4.2°x2.36° at 131mm	34.6°x19.9° at 15.4mm 2.1°x1.18° at 262mm	93.7°x61.9° at 4.5mm 12.2°x6.9° at 45mm	56.1°x33.4° at 9mm 6.1°x3.4° at 90mm	62.6°x37.7° at 4.3mm 4.1°x2.3° at 73mm	33.8°x19.4° at 8.6mm 2.1°x1.2° at 146mm	
M.O.D.* from Lens Front	0.0	3m	0.0	3m	0.3	m	0.1		
Object Dimensions at M.O.D.*	95.0x53.4cm at 7.6mm 4.4x2.5cm at 168mm			34.3x19.3cm at 15.4mm 2.1x1.2cm at 262mm	74.1x41.7cm at 4.5mm 6.4x3.6cm at 45mm	37.0x20.8cm at 9mm 3.2x1.8cm at 90mm	66.9x37.6cm at 4.3mm 4.1x2.3cm at 73mm	33.5x18.8cm at 8.6mm 2.1x1.2cm at 146mm	
Filter Thread Size (Hood/Lens Barrel)	105mm P1	/ 94mm P1	— / 82n	nm P0.75	127mm P0	0.75 / —	— / 82mm P0.75		
Approx. Size (WxHxL)	6.5x4.4x8.6 in. (164	.7x111.8x218.6mm)	6.3x4.2x7.8 in. (159.3x106.6x197.8mm)		6.6x4.4x9.4 in. (168.	2x111.8x237.7mm)	6.3x4.2x7.8 in. (159.3x106.6x197.3mm		
Approx. Weight (IRSE/IASE)	4.0 lbs (1.82kg)/-	4.19 lbs (1.90kg)	3.26 lbs (1.48kg),	/3.44 lbs (1.56kg)	4.04 lbs (1.83kg)/4.22 lbs (1.91kg)		3.26 lbs (1.48kg)		

Pro-Video Lenses

HD 2/3"						
	KJ20x8.2B	Ю GC	KJ20x8.2В њ GC	KJ13x6B њ GC		
Appearance						
Model Name	KJ20x8.2B IRSD		KJ20x8.2B KRSD	KJ13x6B KRSD		
Zoom Ratio	2	0x	20x	13x		
Focal Length	8.2~164mm	16.4~328mm (2.0x)	8.2~164mm	6~78mm		
Maximum Relative Aperture	1:1.9 at 8.2~115.4mm 1:2.7 at 164mm	1:3.8 at 16.4~230.8mm) 1:5.4 at 328mm	1:1.9 at 8.2~115.4mm 1:2.7 at 164mm	1:2.0 at 6~58mm 1:2.7 at 78mm		
Angular Field of View	60.7°x36.5° at 8.2mm 3.4°x1.9° at 164mm	32.6°x18.7° at 16.4mm 1.7°x0.9° at 328mm	60.7°x36.5° at 8.2mm 3.4°x1.9° at 164mm	77.3°x48.5° at 6mm 7.0°x4.0° at 78mm		
M.O.D.* from Lens Front	0.	9m	0.9m	0.4m		
Object Dimensions at M.O.D.*	98.2x55.2cm at 8.2mm 5.0x2.8cm at 164mm	49.1x27.6cm at 16.4mm 2.5x1.4cm at 328mm	98.2x55.2cm at 8.2mm 5.0x2.8cm at 164mm	74.3x41.8cm at 6mm 5.4x3.0cm at 78mm		
Filter Thread Size (Hood/Lens Barrel)	— / 82mm P0.75		— / 82mm P0.75	105mm P1 / —		
Approx. Size (WxHxL)	6.4x4.1x8.2 in. (163	3.3x104.1x208.0mm)	6.4x4x7.2 in. (163.3x101.6x181.8mm)	6.5x4.1x8.3 in. (165.4x104.1x211.7mm)		
Approx. Weight	3.13 lbs	(1.42kg)	2.76 lbs (1.25kg)	3.51 lbs (1.59kg)		

^{*} M.O.D. = Minimum Object Distance.

Remote Control Lenses

HD 2/3"		
HDTV	KJ22ex7.6B	KJ17ex7.7B
Appearance Model Name	KJ22ex7.6B ITS-ME/RE	KJ17ex7.7B ITS-ME/RE
Zoom Ratio	22x	17x
Image Size	2/3"	2/3"
Built-in Extender	2.0x	2.0x
Range of Focal Length (with Extender)	7.6~168mm 15.2~336mm (2.0x)	7.7~131mm 15.4~262mm (2.0x)

	HD 2/3"
	KJ20x8.2B
HDTV Appearance	
Model Name	KJ20x8.2B KTS
Zoom Ratio	20x
Image Size	2/3"
Built-in Extender	N/A
Range of Focal Length	8.2~164mm

^{*2:} Specifically designed for Sony HDC-X300/X310.

Adaptor Type Converters/Attachments

CATEGORY	MODEL	CJ45e×13.6B CJ45e×9.7B	CJ12e×4.3B CJ14e×4.3B CJ15ex4.3B CJ18e×8.5BB CJ18e×28B CJ20e×5B KJ10e×4.5B HJ40e×14B HJ40e×10B	KJ13×6B	CJ15e×8.5B	CJ25ex7.6B CJ20e×7.8B CJ24e×7.5B KJ22e×7.6B	CJ18e×7.6B KJ20×8.2B KT17e×4.3B KJ17e×7.7B KH20×6.4
WIDE ATTACHMENT *1	WA75HG					•	•
ADAPTER RING	ACC-85 III						•
ADAFTEN NING	ACC-98 II					•	
	82CL-UP800H				•*2		•*2
CLOSE-UP LENS	82CL-UP1300H				•*2		•*2
	105CL-UP800HG					•	
	UV / 82				•		•
UV FILTER	UV / 94					•	
UV FILIEN	UV / 105			•		•	
	UV / 127	•	•				
CLEAR FIILTER	CL/127	•	•				
	PL / 82				•		•
POLARIZATION FILTER	PL / 105			•		•	
	PL / 127		•				

^{*1:} An adapter ring is necessary to attach it to the lens. *2: Close-up lens supported for SD.

The following items have been discontinued: W80H Wide Converter.

The following lenses have been discontinued: HJ18ex28B, HJ24ex7.5B, HJ18ex7.6B, HJ14ex4.3B, KH13x4.5B

Mount Converters for Different Image Format Size Cameras

Canon offers a variety of Mount Converters to be used between a lens and a camera of different image format sizes. Each converter will extend the effective Angular Field of View of the associated lens according to the Shift Ratio listed below.

			Image Size Conversion		
	Converter	Lens*4	Camera	Shift Ratio to Telephoto Side	Electronic Conversion
-20a	LO-32BMT	2/3" B4 Mount	1/2" Sony*5	Approx. 1.4x	N/A
	LCV-40B	2/3" B4 Mount	1/2 Standard Mount ^{*6}	Approx. 1.4x	N/A
	LCV-42T	2/3" B4 Mount	1/3" Standard Mount	Approx. 1.8x	N/A
3.	LCV-41E	2/3" B4 Mount	Sony PMW-EX3	Approx. 1.4x	Lens Cable (12 pin) EX3 Hot Shoe (14 pin)

^{*4:} The converters are to be used with lenses weighing less than 4.4 lbs (2.0kg). *5: Sony's Hot Shoe mount camera, excluding PMW-EX3.

[•] The number of each filter type name. indicates the screw diameter. Screw pitch: screw diameter 82 mm = 0.75 mm, thread diameter 127 mm = 0.75 mm, thread diameter other than the left = 1.00 mm

^{*6: 1/2&}quot; Camera of standard type mount (Panasonic, JVC, Grass Valley).

Converter/Attachments

TELE-SIDE CONVERTER



- The use of the telephoto converter would shift the focal length of a lens with a factor
- F No. of the original lens is not affected.
- Only the telephoto side of the lens can be used. The picture corners are eclipsed at wide angle.
- The minimum object distance becomes 2.25x that of the original lens.

CHANGE IN FOCAL LENGTH

Model	M.O.D.	Eclipse Point
CJ24ex7.5B	1.8m	f:100mm
KJ17ex7.7B	1.35m	f:60mm

WIDE CONVERTER



- The wide converter W80/W80Y-85 would shift the focal length of a lens with a factor of 0.8x.
- F No. of the original lens is not affected.
- The minimum object distance becomes 0.64x with the W80/W80Y-85.



CHANGE IN FOCAL LENGTH

Model	Master Lens	With Wide Converter
CJ24ex7.5B	7.5-180mm	6.0-144mm
KJ17ex7.7B	7.7-131mm	6.2-104.8mm

FISH-EYE ATTACHMENT



- The zoom lens becomes a fish-eye fixed focal length lens (distorted image) with the fish-eye attachment.
- The use of a fish-eye attachment would shift the focal length of a lens with a factor
- Focus is adjusted by use of the macro lever.

CHANGE IN FOCAL LENGTH

Model	Master Lens	With Fish-Eye Attachment
CJ24ex7.5B	7.5-180mm	4.5mm
KJ17ex7.7B	7.7-131mm	4.6mm

WIDE ATTACHMENT



- The zoom lens becomes a wider fixed focal length lens with the wide attachment.
- The use of the wide attachment would shift the focal length of a lens with a factor of



Focus is adjusted by use of the macro lever.

CHANGE IN FOCAL LENGTH

Model	Master Lens	With Wide Attachment
CJ24ex7.5B	7.5-180mm	5.6mm
KJ17ex7.7B	7.7-131mm	5.8mm

POLARIZED LIGHT FILTER



- Used to intercept light reflected from the surface of water or glass.
- The polarizer is threaded on to a lens hood.

Extenders



- The X2.0-B4 extender mounts in between a camera and lens to magnify an image.
- The extender doubles the focal length of the master lens and doubles the F-number.

Model	Applicable Lenses
X2.0-B4	Applicable to all B4 type mount Canon 2/3" lenses.

Close-Up Lenses



- A close-up lens is used to shorten the M.O.D.* of the master lens for close-up shooting.
- The maximum object distance becomes the focal length of the close-up lens.
- The minimum object distance is calculated by the following formula: New minimum object distance = $fc \times S / (fc + S)$

fc = Focal length of the close-up lens S = M.O.D.* of the master lens

Imaging range for KJ17ex7.7B with close-up lenses

			82CL-l	JP800H			82CL-U	P1300H	
KJ17ex7.7B		Tele end	: 131mm	Wide en	d : 7.7mm	Tele end	: 131mm	Wide en	d : 7.7mm
(16:9)	Focusing Scale (mm)	∞	0.6	∞	0.6	∞	0.6	∞	0.6
	Object Distance (mm)	800	343	800	343	1300	411	1300	411
	Object Dimensions (mm)	58x33	24x14	989x556	376x212	95x53	29x16	1634x919	455x256

Model	Applicable Lenses
82CL-UP800H*1	HJ18ex7.6B, HJ15ex8.5B, KJ17ex7.7B, KJ20x8.2B, KH20x6.4, KT17ex4.3B, KT20x5
82CL-UP1300H*1	HJ18ex7.6B, HJ15ex8.5B, KJ17ex7.7B, KJ20x8.2B, KH20x6.4, KT17ex4.3B, KT20x5
105CL-UP900H*1	HJ24ex7.5B, KJ22ex7.6B
105CL-UP800HG	CJ20ex7.8B , CJ24ex7.5B, HJ24ex7.5B, KJ22ex7.6B

^{*}M.O.D. = Minimum Object Distance.

Broadcast ENG/EFP, Pro Video Lens Accessories

■ Compatible Zoom/Focus Control List

OPERATION	CATEGORY	MODEL	CJ45e×13.6B CJ45e×9.7B HJ40e×14B HJ40e×10B	CJ12e×4.3B CJ14e×4.3B CJ15e×4.3B CJ15e×8.5B CJ18e×7.6B CJ18e×28B CJ18e×28B CJ20e×5B CJ20e×7.8B CJ24e×7.5B CJ25ex7.6B	KJ20×8.2B KJ13×6B KH20×6.4
	FOCUS DEMAND	FPD-400D	•	•	• *1
	TOGGS DEMIAND	FDJ-S31/41	•	•	•
	DRIVE UNIT	FPM-77			•
	DITIVE OINT	FPM-420D		(IRS,KRS)	
FOCUS	FOCUS FLEX CONTROLLER	FFC-200	• *3	• *2	•
10003	TEEX CONTROLLER	FFC-15			•
	FLEXIBLE CABLE (32 INCHES)	FC-40	*3	• *2	•
		FFM-100		• *2	
	OUTLET	FM-12			•
		FFM-300	• *3		
	ZOOM DEMAND	ZSD-300D	•	•	• *1
Z00M	PROVIDEO ZOOM	ZSD-15MII			•
	SERVO GRIP	ZSG-200M	• *1	• *1	•

 $[\]ensuremath{^*}$ 1: A unit that can be attached using a conversion cable.

^{* 1:} Not recommended for 4K shooting.

^{* 2:} Please be aware use of these controllers will result in a lower image quality MTF.

 $^{^{}st}$ 3: These accessories are not recommended for use with CJ45ex9.7B and CJ45ex13.6B.





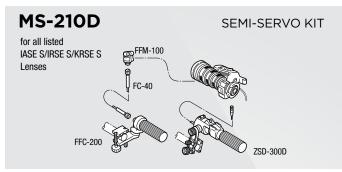
Conversion Cable is Necessary When Using with the Following Combinations

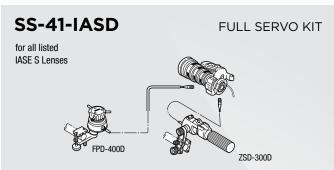
Model Name	Applicable Lens	Adapter Cable	Lens Side Pin#	Control Side Pin#
FPM-420D		CC-1220	12	20
FPD-400D	Analog Drive Lens	CC-0620	6	20
ZSD-300D		CC-0820	8	20

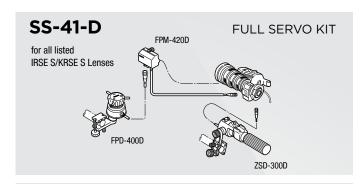
Control Accessories for Digital Drive ENG/EFP Lenses

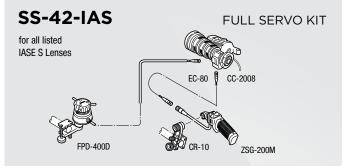
CJ45ex13.6B / CJ45ex9.7B / CJ25ex7.6B / CJ20ex7.8B / CJ12ex4.3B / CJ18ex28B / CJ15ex8.5B / CJ24ex7.5B / CJ18ex7.6B / CJ14ex4.3B / HJ40ex14B / HJ40ex10B / KJ22ex7.6B / KJ17ex7.7B / KJ10ex7.5B / KT17ex4.3B

Recommended Kit Configurations



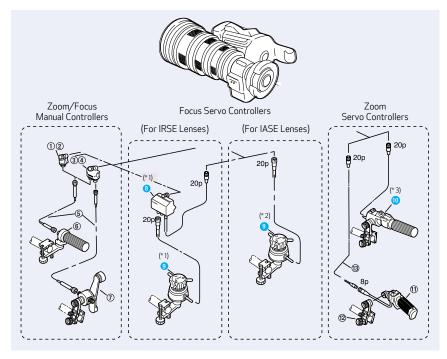






DIGITAL Control Accessories of Digital Drive ENG/EFP Lenses

Applicable Component Detail



	UNIT	DESCRIPTION
1	FFM-100	Flex Focus Module
2	FFM-300	Flex Focus Module
3	FFM-200*1	Flex Dual Module
4	FFM-400*1, 2	Flex Dual Module
5	FC-40	Flex Cable
6	FFC-200	Flex Focus Controller
7	FZC-100*1	Flex Zoom Controller
8	FPM-420D*1	Focus Positional Servo Module
9	FPD-400D*1	Focus Positional Demand
10	ZSD-300D*1	Zoom Demand
(11)	ZSG-200M	Zoom Servo Grip
12	CR-10	Clamper
(13)	CC-2008	20p-8p Cable

- *1: FZC-100, FFM-200, FFM-400, FPD-400, FPM-420 and ZSD-300A/M are discontinued.
- *2: Analog FPD-400 is also applicable, however, CC-2006 conversion cable is necessary to connect between IASD/IASE Digital Drive Lens and FPD-400.
- *3: Analog ZSD-300A/M is also applicable but CC-2008 is needed to connect between IASE S digital drive lens and ZSD-300A/M.
- The controllers support the new DD functions.

Applicable Kit Detail

For IRSE S Type Lenses

		Zoom		Focus	
	Kit Name	System	Component	System	Component
Zoom	(ZR-1D)	ZR-1D	20	_	_
Servo Only	_	ZR-2(A)	21, 22, 28	_	_
Semi-Servo	MS-210D	ZR-1D	20	FR-2	2, 8, 10
361111-36140	MS-220	ZR-2(A)	21, 22, 28	FR-2	2, 8, 10
Full Servo	SS-41-D	ZR-1D	20	FPS-4D	13, 17
Full Manual	_	FZC-1	6, 8, 11	FR-2 (w/o 2)	8, 10

For IASE S Type Lenses (Except HJ40ex, CJ45ex)

		Zoom		Focus	
	Kit Name	System	Component	System	Component
Zoom	(ZR-1D)	ZR-1D	20	_	_
Servo Only	_	ZR-2(A)	21, 22, 28	_	_
Semi-Servo	MS-210D	ZR-1D	20	FR-2	2, 8, 10
361111-36140	MS-220	ZR-2(A)	21, 22, 28	FR-2	2, 8, 10
Full Servo	SS-41-IASD	ZR-1D	20	FPS-4D	17
i un servo	SS-42-IASD	ZR-2(A)	21, 22, 28	FPS-4D	17
Full Manual	_	FZC-1	6, 8, 11	FR-2 (w/o 2)	8, 10

For CJ45ex13.6B, CJ45ex9.7B, HJ40ex14B and HJ40ex10B

		Zoom		Focus	
	Kit Name	System	Component	System	Component
Zoom		ZR-1D	20	_	_
Servo Only		ZR-2(A)	21, 22, 28	_	_
0	-	ZR-1D	20	FR-2	3, 8, 10
Semi-Servo	_	ZR-2(A)	21, 22, 28	FR-2	3, 8, 10
Full Servo	SS-41-IASD	ZR-1D	20	FPS-4D	17
i uli Servo	SS-42-IASD	ZR-2(A)	21, 22, 28	FPS-4D	17
Full Manual	_	FZC-1	6, 8, 11	FR-2 (w/o 2)	8, 10

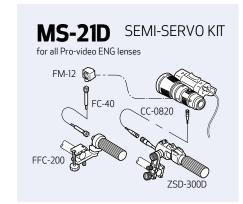
Recommended kit configuration.

ANALOG Control Accessories for Analog Drive HDgc Lenses

Recommended Kit Configuration

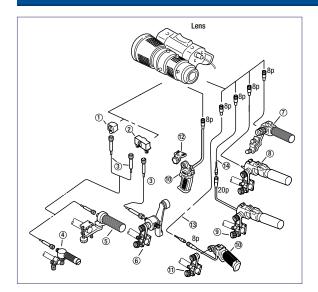






^{*1: &}quot;A" or "M" type demands depend upon camera. Type "A" demands are no longer available from Canon.

Applicable Component Detail



	UNIT	DESCRIPTION
1	FM-12	Flex Focus Module
2	FM-70 ⁺	Flex Dual Module
3	FC-40	Flex Cable
4	FFC-15	Flex Focus Controller
5	FFC-200	Flex Focus Controller
6	FZC-100*	Flex Zoom Controller
7		II Zoom Demand' ² A ds on applicable camera) M
8		Zoom Demand* ² A ds on applicable camera) M
9	ZSD-300D	Zoom Demand
10		Zoom Servo Grip ^{*2} A ds on applicable camera) M
(1)	CR-10	Clamper
(12)	GA-70*	Grip Adapter
(13)	EC-80	Zoom Extension Cable (8P)
(14)	CC-0820	Conv. Cable (8pM-20pF)

^{*}FM-70, FZC-100, and GA-70 are discontinued.

Applicable Kit Detail

		Zoom		Focus	
	Kit Name	System	Component	System	Component
	_	ZSD-15	16	_	_
Zoom Servo Only	_	ZR-1	17	_	_
200111 Servo Only	_	ZR-2(A)	19, 20, 26	_	_
	_	ZR-2(B)	19, 21*	_	_
	MS-15	ZSD-15	16**	FRC-15	1, 8, 9**
Semi-Servo	MS-21	ZR-1	17	FR-2	1, 8, 10
3e1111-3e1VU	MS-21D	ZR-1D	18, 28	FR-2	1, 8, 10
	MS-22	ZR-2(A)	19, 20, 26	FR-2	1, 8, 10
Full Manual	FZC-1	FZC-1	5*, 8, 11	FR-2(w/o 1)	8, 10

^{* 2) &}amp; 12) are not applicable to YH14x7.3 and YH16x7.

Recommended kit configuration.

^{*2:} ZSD-15A II. ZSD-300A/M. ZSG-200A, and FPD-400 are no longer available from Canon stock.

^{**}In USA, 7 and 4 are available only as MS-15 kit configuration and not as individual products.

CINEMA LENS LINEUP



CINE-SERVO Series

Canon Cine-Servo Lenses support cinema production as well as 4K content creation for broadcast. Featuring a servo drive unit, they can be ideal for shooting scenarios where speed and mobility are key. Covering an extreme range of 17mm-1000mm with three lenses, the Cine-Servo series are designed for the most demanding use cases.



PRIME Series

The well established series of Canon Cinema Prime Lenses offer spectacular 8K image quality and a full-frame image circle housed in lightweight and compact design. They feature high optical speed of up to T1.3 for some lenses and produce remarkably sharp 8K images. Focus breathing and geometric distortion are also tightly controlled in this high performance series of affordable prime lenses.



SUMIRE PRIME Series

Canon is introducing a new line of cinema prime lenses named "Sumire Prime" (pronounced "Soo-mee-ray") – associated with a floral gentleness and beauty. A unique optical design introduces a nuanced look as the lens aperture approaches its maximum setting – subtly modifying the textural renderings of the human facial close-up. It also smooths the transition to the fall-off portions of the scene resulting in a pleasing bokeh. This combination adds emotional expressiveness to a memorable scene.



FLEX ZOOM LENS

The Full-Frame compatible Cinema Lens series offers T2.4 with a large aperture ratio. These lenses increase the expressive range in depth of field while carrying on the operability of Cinema Style.



COMPACT-SERVO Series

The Compact-Servo series of lenses are aimed at users looking for the benefits of a cinema lens in a smaller and lighter package. Featuring cinema lens advantages such as stepless iris and geared focus rings, they are capable of high image quality in a smaller housing.



CN-E20-50mm T2.4 L F CN-E20-50mm T2.4 L FP



CN-E45-135mm T2.4 L F CN-E45-135mm T2.4 L FP



CN-E14-35mm T1.7 L S



CN-E31.5-95mm T1.7 L S CN-E31.5-95mm T1.7 L SP

SUMIRE PRIME Lens Series

















CN-E14mm T3.1 FP X CN-E20mm T1.5 FP X CN-E24mm T1.5 FP X CN-E35mm T1.5 FP X CN-E50mm T1.3 FP X CN-E85mm T1.3 FP X CN-E135mm T2.2 FP X

PRIME Lens Series

















CN-E14mm T3.1 L F

CN-E20mm T1.5 L F

CN-E24mm T1.5 L F

CN-E35mm T1.5 L F

CN-E50mm T1.3a L F CN-E85mm T1.3 L F

CN-E135mm T2.2

CINE-SERVO Lens Series









CN10x25 IAS S/E1 CN10x25 IAS S/P1



CN8x15 IAS S/E1 CN8x15 IAS S/P1



CN20×50 IAS H/E1 CN20×50 IAS H/P1

COMPACT-SERVO Lens Series





CN-E18-80mm T4.4 L IS KAS S



CN-E70-200mm T4.4 L IS KAS S



ZSG-C10

MEETING THE DEMANDS OF THE 4K ERA

Canon Cinema Lens Technology

Optical Performance

Crystal Clear Canon Optical Technology

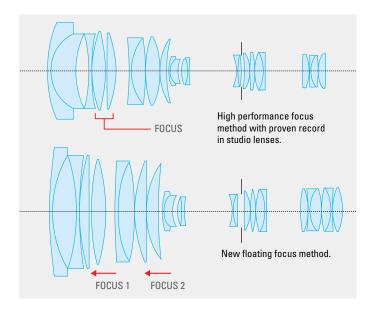
Super 35mm,* High quality 4K/HDR

From the center to the periphery of the image, Canon's cinema lenses achieve a high quality 4K HDR image with both our prime and zoom lenses. Canon's optical technologies are combined to help correct various aberrations and provide high contrast while achieving a high resolution of about 80 lines/mm throughout the entire range of our cinema lenses.



Focus Breathing Suppression

Focus breathing is caused when the focus group moves and exerts a "zooming" effect. In order to prevent this, cinema lenses implement a 3-group inner focus method and a new floating method to help minimize field angle fluctuation and achieve stable framing.

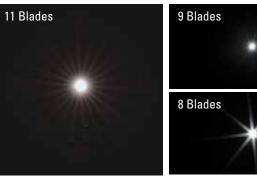






11 Blade Aperture

Halos from points of light at night or from rays of sunlight in shots that show the sun take on the shape of the Iris blades. The odd number of blades make the iris aperture look circular even when the Iris is contracted, enabling beautiful, round highlight bokeh.



Warm Color Balance

Cinema lens color balance, ideal for movie production, reproduces warm skin tones. Color balance is strictly uniform across all Canon cinema lenses making lens substitution during the same scene possible. Anti-reflection film technology, including super spectral coatings and thorough corrections for slight color variations caused by glass components allow Canon lenses to achieve this effect.

Flange Back Adjustment

A flange back adjustment mechanism is installed on the lens mounts to allow for back focus adjustments.



* Excluding PRIME Lens series.

■ Luminous Focus Markings

The Focus Scale on the front lens barrels is printed with luminescent paint to improve visibility at night and in dark studio conditions.



Dust/Splash Resistant Seals and Casing*

Our CN-E EF prime and Sumire Prime lenses use dust and splash resistant rubber gaskets at the casing joints.

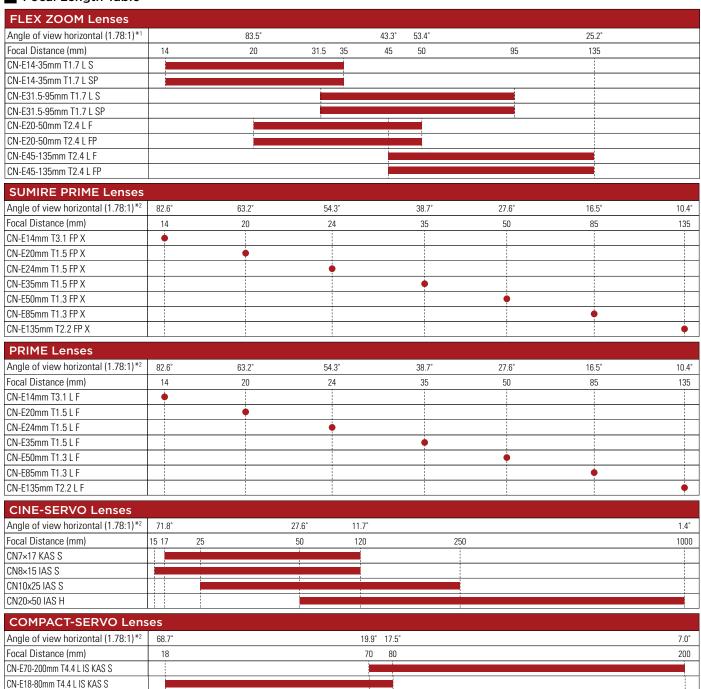
* Lenses are not designed to be submersible in water or exposed to heavy rain.



■ Changeable Lens Mount

To adapt to the ever-changing requirements of content producers, Canon offers lens mount changing services for applicable lenses at our service centers. Kindly contact your friendly Canon representative for further details.

Focal Length Table



^{*1:} When the screen size is 24.0 \times 13.5 mm. *2: When the screen size is 24.6 \times 13.8 mm.

Sumire Prime



Nuanced Skin

Canon's Sumire Prime lenses offer a unique look in the Canon Cinema lens family on top of a native PL Mount. In addition to bright T-stops and Canon's renowned warm imagery, a unique optical design introduces a nuanced look as the lens aperture approaches its maximum setting subtly modifying the textural renderings of the human facial close-up. It also smooths the transition to the fall-off portions of the scene resulting in a pleasing bokeh. This combination adds emotional expressiveness to a memorable scene.



PL MOUNT

CN-E14mm T3.1 FP X CN-E20mm T1.5 FP X CN-E24mm T1.5 FP X CN-E35mm T1.5 FP X CN-E50mm T1.3 FP X CN-E85mm T1.3 FP X CN-E135mm T2.2 FP X

SUMIRE PRIME Lens Series: Highlights

Covers Full-frame, Super 35mm and **APS-C Sensors**

Sumire Primes cover the image circles of Large Format 35mm sensors, significantly increasing their ability to be paired with different cameras to achieve aesthetics that content creators desire.

Phosphorescent Indicators

To improve visibility in nighttime and dark area shooting, indicator markings with phosphorescent paint have been adopted for the front barrel (for right-side viewing).

Artistically Pleasing Image Rendering And Warm Colors

The original lens composition with large diameter aspheric lens and anomalous dispersion glass offers more solid and artistically pleasing image rendering. This brings out the impressive image quality of 4K cinema images in all their glory. And the warm color tones have been made consistent throughout the series to artistically pleasing capture people's facial expressions and enable better depiction of the subject's texture.

Minimized Focus Breathing

The lens controls focus breathing, which realizes stability in images even when bokeh effects occur due to refocusing



Soft, Natural Bokeh Effects

The bright T-number of the Prime lens and multiblade iris diaphragm produce natural blur effects closer to a circle, from maximum to minimum aperture. This enables more three-dimensional bokeh even with super wide angle lenses that have deeper depth of field, broadening the range of visual expression.

Unified Front Lens Diameter, Gear Position

Compact Zoom and Prime lenses have the same front lens diameter and consistent gear positions, so lenses within each series can be switched without adjusting the rig setup.

Sumire Prime Lens Series



11-Blade Iris

With the increased number of iris blades, users can get natural bokeh that appears more circular, from maximum to minimum aperture. The use of an odd number of blades diffuses light rays in high-brightness subjects and renders images more artistically pleasing.

PL Mount

PL mounts, which are in high demand in the cinema market, have been adopted to support a variety of cameras used in this market.

FLEX ZOOM LENS: HIGHLIGHTS

NEW





CN-E20-50MM T2.4 L F

CN-E45-135MM T2.4 L F

Compatible with 8K cameras

Consistent color balance

11-blade iris

HDR Compatible

Reduced focus breathing



CN-E14-35MM T1.7 L S CN-E14-35MM T1.7 L SP

CN-E31.5-95MM T1.7 L S CN-E31.5-95MM T1.7 L SP

Super 35mm compatible

Compatible with 8K cameras

Dedicated Accessories Relay kit (sold separately)

Brightness of large aperture ratio T1.7

Gear pitch is set at 0.8mm

Mount kit replacement (sold separately)

PRIME Lens Series: Highlights

Covers Full-frame, Super 35mm and **APS-C Sensors**

The lenses are also compatible with the large imaging area of cameras equipped with a fullsize 35mm-equivalent CMOS sensor.

Light, Compact

Small and light among many conventional cinema lenses, to meet a variety of shooting

Standard Accessories Supported

Supports industry-standard accessories such as power-drive devices and matte boxes.

Accepts 105mm filters (except for 14mm)

PL or other individual filters 105mm in diameter can be attached to the end of the lens, enabling filter work in handheld shooting or other scenarios without using a matte box.

Phosphorescent Indicators

To improve visibility in nighttime and dark area shooting, indicator markings with phosphorescent paint have been adopted for the front barrel (for right-side viewing).

Fast Aperture

Consistent Torque

Control Rings maintain the right amount of

usability with consistent operating torque.

resistance while offering outstanding

Shallow Depth of Field and Low Light shooting are made easier with a fast aperture, allowing for creative freedom.



Unified Front Lens Diameter

Compact Zoom and Prime lenses have the same front lens diameters, allowing for a single mattbox solution.

Prime Lens Series



11-Blade Iris

With the increased number of iris blades, users can get natural bokeh that appears more circular, from maximum to minimum aperture. The use of an odd number of blades diffuses light rays in high-brightness subjects and renders images more artistically pleasing.

EF Mount

EF Mount allows for communication functions with Cinema EOS Cameras. The ubiquitous EF mount is also an industry standard, ensuring compatibility across camera ecosystems.

Switchable Unit for Focus Marking

The outer piece on marked focus rings can be switched from non-metric to metric labeling.

CINE-SERVO: HIGHLIGHTS



CINE-SERVO 50-1000mm

Class Leading Telephoto Focal Length

S35 Image Circle

Portable Lens Optimized for Field Usage

With 1.5 extender (75 - 1500mm)

When extender is engaged, the lens covers a full frame image circle.

Compatible with Broadcast Zoom/ **Focus Demands**



CINE-SERVO 17-120mm

Wide Angle Lens With 7x Zoom Ratio

8K Image Quality

S35 Image Circle

Balanced for Handheld Shooting



CINE-SERVO 25-250mm

8K Image Quality

Medium Telephoto Lens in a **Handheld Friendly Housing**

S35 Image Circle

With 1.5 extender (37.5 - 375mm)

When extender is engaged, the lens covers a full frame image circle.



CINE-SERVO 15-120MM

4K, 8K, HDR

Super 35mm and Full Frame compatible

11 iris blades

15-120mm focal length (22.5-180mm with Extender)

Drive Unit

Removable Drive Unit

CINE-SERVO Canon lenses include a drive unit that provides the same user experience as found in our broadcast lenses. Removing the drive unit allows for full manual operation of the lenses.



■ No Initialization

Initialization of the drive unit is not required at power-on as compared to other conventional servo drive units. Immediate startup helps contribute to more efficient shooting.

Compatible With Standard Broadcast Demands

Demand Supported

Compatible with Canon's standard broadcast industry demands such as ZSD-300D and FPD-400D. Canon's 8-pin demand* can be connected via a conversion cable.

Enables High-Precision, Natural Composition

Virtual Studio System

A high precision 16-bit encoder (zoom and focus only) makes connection to various virtual studio systems possible. Three 20-pin terminals allow a virtual connection even when zoom and focus demands are connected.



* Iris operation is also possible by connecting FDJ-P01 via conversion cable. It will be selected as either virtual output or iris operation

Peripheral Illumination Correction

EF Mount Communication Protocol Support*1

Information communication is possible via CINEMA EOS SYSTEM cameras and mounts. It is possible to record lens information at the time of shooting and peripheral illumination correction*2.

- *1: ZOOM Lenses are excluded. Only EF mounted lenses are supported.
- *2: Some lenses require a camera firmware update. Some lenses are scheduled to be handled by firmware update.

Supports Broadcast Industry Standards

12-Pin Serial Communication*

Supports 12-pin serial communication which is a broadcasting communication standard.

* Applicable lens: CINE-SERVO Lens series. It is necessary for the camera side to support 12-pin serial communication.

Supports Communication Standards of Film Production Industry

/i Technology Compatible*

Canon's PL-mount CINE-SERVO lenses are compatible with Cooke's "/i Technology" communication standard which has been widely adopted throughout the video production industry. Focus/zoom/aperture position data can be sent to the corresponding camera, recorded and displayed.

* Applicable lens: PL mount lens of CINE-SERVO Lens series only. The camera side must support /i Technology. Communication is possible when drive unit is installed

COMPACT-SERVO Lens Series: Highlights

Refined Iris Mechanism

- Seamless Manual Control Capability
- 9-Blade Iris
- Iris Closing

Compatible with **EF-mount Cameras**

High Level 4K Optical Performance

Covers Super 35mm and APS-C Sensors



COMPACT-SERVO 4K



Image Stabilization

Focus Ring Supports 0.8 Gear **Pitch Follow Focus Accessories**

Minimized Focus Breathing

Compact and Lightweight for Increased Mobility

Enhanced Servo Drive Unit

- Servo Control Capability for Zoom, Focus, and Iris
- Compatible with broadcast style servo lens controllers
- Optional ZSG-C10 Grip

FLEX ZOOM Lens Series

Appearance		CN-E20-50mm T2.4 L F CN-E20-50mm T2.4 L FP		CN-E45-135mm T2.4 L F CN-E45-135mm T2.4 L FP			
Model Name		CN-E20-50mm T2.4 L F	CN-E20-50mm T2.4 L FP	CN-E45-135mm T2.4 L F	CN-E45-135mm T2.4 L FP		
Mount		EF Mount PL Mount		EF Mount	PL Mount		
Zoom Ratio		2.5x		3			
Focal Length		20 - 50		45 ~ 1:			
-	er ratio (T-number)	20 00		2.4			
Number of iris bla				1			
TVUINDOT OF THE DEC	Aspect ratio 1.9:1 Dimensions 40.96 x 21.6 mm	91.4° x 56.7° 44.5° x 24.4°	at 20 mm	48.9° x 27.0 17.3° x 9.1°			
Angle	Aspect ratio 1.5:1 Dimensions 36 x 24 mm	84.0° x 61.9° 39.6° x 27.0°		43.6° x 29.9 15.2° x 10.2	9° at 45 mm ° at 135 mm		
of View	Aspect ratio 1.78:1 Dimensions 35.7 x 20.1 mm	83.5° x 53.4° 39.3° x 22.7°		43.3° x 25.2 15.1° x 8.5°			
	Aspect ratio 1.9:1 Dimensions 38.1 x 20.1 mm	87.2° x 53.4° 41.7° x 22.7°	at 50 mm	45.9° x 25.2 16.1° x 8.5°	at 135 mm		
Minimum Shootin		0.6 m ,		1.0 m	·		
	1.9:1 40.96 x 21.6 mm	74.5 x 39.3 cm 28.4 x 15.0 cm	n at 50 mm		m at 135 mm		
Shooting range at closest	1.5:1 36 x 24 mm	65.5 x 43.7 cm 24.9 x 16.6 cm	n at 50 mm	67.7 x 45.2 cm at 45 mm 21.7 x 14.5 cm at 135 mm			
approach	1.78:1 35.7 x 20.1 mm	24.7 x 13.9 cm	64.9 x 36.6 cm at 20 mm 24.7 x 13.9 cm at 50 mm		67.2 x 37.8 cm at 45 mm 21.6 x 12.1 cm at 135 mm 71.7 x 37.8 cm at 45 mm		
F	1.9:1 38.1 x 20.1 mm	69.3 x 36.6 cm 26.4 x 13.9 cm	n at 50 mm	23.0 x 12.1 cm at 135 mm			
Front diameter	/ 1 N	A 404.0 400.0 044.0			404.0 400.0 000.4		
Outer dimensions Weight	s (w x n x a)	Approx. 131.2 x 133.6 x 241.3 mm Approx. 131.2 x 133.6 x 233.3 mm Approx. 3.3 kg		Approx. 131.2 x 133.6 x 246.4 mm Approx	Approx. 131.2 x 133.6 x 238.4 mm		
Appearance		CN-E14-35mm T1.7 L S CN-E14-35mm T1.7 L SP		CN-E31.5-95mm T1.7 L S CN-E31.5-95mm T1.7 L SP			
Model Name		CN-E14-35mm T1.7 L S	CN-E14-35mm T1.7 L SP	CN-E31.5-95mm T1.7 L S	CN-E31.5-95mm T1.7 L SP		
Mount		EF Mount	PL Mount	EF Mount	PL Mount		
Zoom Ratio		2.5x		3	х		
Focal Length		14 ~ 35	mm	31.5 ~	95 mm		
Maximum diamet	er ratio (T-number)			1.7			
Number of iris bla			1	1			
Angle of View	Aspect ratio 1.78:1 Dimensions 24.6 x 13.8 mm	82.6° x 52.5° at 14 mm 38.7° x 22.3° at 35 mm		42.7° x 24.7° at 31.5 mm 14.8° x 8.3° at 95 mm			
	Aspect ratio 1.9:1 Dimensions 26.2 x 13.8 mm			45.2° x 24.7° at 31.5 mm 15.7° x 8.3° at 95 mm			
Minimum Shootin	Minimum Shooting Distance 0.6 m / 2'		1.0 m				
Shooting range at closest	1.78:1 24.6 x 13.8 mm	63.5 x 35.6 cm 24.2 x 13.6 cm	n at 35 mm	65.2 x 36.6 cm at 31.5 mm 20.9 x 11.7 cm at 95 mm			
approach	1.9:1 26.2 x 13.8 mm	67.6 x 35.6 cn 25.8 x 13.6 cn	n at 35 mm	69.4 x 36.6 cm at 31.5 mm 22.3 x 11.7 cm at 95 mm			
Front diameter				4 mm			
Outer dimensions	(w x h x d)	Approx. 131.2 x 133.6 x 241.3 mm	Approx. 131.2 x 133.6 x 233.3 mm	Approx. 131.2 x 133.6 x 246.4 mm	Approx. 131.2 x 133.6 x 238.4 mm		
Weight		Approx. 3	3.4 kg	Approx	. 3.5 kg		



CN-E14mm T3.1 FP X	CN-E20mm T1.5 FP X	CN-E24mm T1.5 FP X	CN-E35mm T1.5 FP X	CN-E50mm T1.3 FP X	CN-E85mm T1.3 FP X	CN-E135mm T2.2 FP X
CN-E14mm T3.1 FP X	CN-E20mm T1.5 FP X	CN-E24mm T1.5 FP X	CN-E35mm T1.5 FP X	CN-E50mm T1.3 FP X	CN-E85mm T1.3 FP X	CN-E135mm T2.2 FP X
PL Mount						
-	-	1	=	-	=	-
14mm	20mm	24mm	35mm	50mm	85mm	135mm
T3.1	T1.5	T1.5	T1.5	T1.3	T1.3	T2.2
11	11	11	11	11	11	11
104.3°×81.2° *1	84.0°×61.9° *1	73.7°×53.1° *1	54.4°×37.8° *1	39.6°×27.0° *1	23.9°×16.1° *1	15.2°×10.2° *1
82.6°×52.5° *2	63.2°×38.1° *2	54.3°×32.1° *²	38.7°×22.3° *²	27.6°×15.7° *²	16.5°×9.3° *²	10.4°×5.9° *2
0.20m / 8"	0.30m / 12"	0.30m / 12"	0.30m / 12"	0.45m / 18"	0.95m / 3'2"	1.0m / 3'3"
25.2×16.8cm *1	33.8×22.5cm *1	28.8×19.2cm *1	20.2×13.5cm *1	25.0×16.7cm *1	34.4×22.9cm *1	21.1×14.1cm *1
17.2×9.7cm *2	23.1×13.0cm *2	19.7×11.0cm *2	13.8×7.7cm *2	17.1×9.6cm *2	23.5×13.2cm *2	14.4×8.1cm *2
114mm						
-	UV/105 P1 filter					
4.66x4.66x3.39 in. (118.4×118.4×86.0mm)	4.66x4.66x3.68 in. (118.4×118.4×93.5mm)	4.66x4.66x4.24 in. (118.4×118.4×107.6mm)				
2.65 lbs (1.2kg)	2.65 lbs (1.2kg)	2.65 lbs (1.2kg)	2.43 lbs (1.1kg)	2.43 lbs (1.1kg)	2.87 lbs (1.3kg)	3.09 lbs (1.4kg)

PRIME Lens Series

CN-E14mm T3.1 L F	CN-E20mm T1.5 L F	CN-E24mm T1.5 L F	CN-E35mm T1.5 L F	CN-E50mm T1.3 L F	CN-E85mm T1.3 L F	CN-E135mm T2.2 L F
CN-E14mm T3.1 L F	CN-E20mm T1.5 L F	CN-E24mm T1.5 L F	CN-E35mm T1.5 L F	CN-E50mm T1.3 L F	CN-E85mm T1.3 L F	CN-E135mm T2.2 L F
EF Mount						
-	-	-	-	-	-	-
14mm	20mm	24mm	35mm	50mm	85mm	135mm
T3.1	T1.5	T1.5	T1.5	T1.3	T1.3	T2.2
11	11	11	11	11	11	11
104.3°×81.2° *1	84.0°×61.9° *1	73.7°×53.1° *1	54.4°×37.8° *1	39.6°×27.0° *1	23.9°×16.1° *1	15.2°×10.2° *1
82.6°×52.5° *2	63.2°×38.1° *2	54.3°×32.1° *2	38.7°×22.3° *2	27.6°×15.7° *2	16.5°×9.3° *²	10.4°×5.9° *2
0.20m / 8"	0.30m / 12"	0.30m / 12"	0.30m / 12"	0.45m / 18"	0.95m / 3'2"	1.0m / 3'3"
24.8×16.5cm *1	33.8×22.5cm *1	28.8×19.2cm *1	20.1×13.4cm *1	24.9×16.6cm *1	34.3×22.9cm *1	21.1×14.1cm *1
16.9×9.5cm *2	23.1×13.0cm *2	19.7×11.0cm *2	13.7×7.7cm *2	17.0×9.5cm *2	23.4×13.1cm *2	14.4×8.1cm *2
114mm						
-	UV/105 P1 filter					
4.66x4.66x3.70 in. (118.4×118.4×94.0mm)	4.66x4.66x4.0 in. (118.4×118.4×101.5mm)	4.66x4.66x4.55 in. (118.4×118.4×115.6mm)				
2.65 lbs (1.2kg)	2.65 lbs (1.2kg)	2.65 lbs (1.2kg)	2.43 lbs (1.1kg)	2.43 lbs (1.1kg)	2.87 lbs (1.3kg)	3.09 lbs (1.4kg)

[%] Lenses compatible with Full-frame and Super 35mm Sensor cameras. *1: Aspect ratio 1.5:1, Screen size 36.0 × 24.0 mm. *2: Aspect ratio 1.78:1, Screen size 24.6 × 13.8 mm.

CINE-SERVO Lens Series

Appearance						
Model Name		CN7×17 KAS S/E1	CN7×17 KAS S/P1	CN10x25 IAS S/E1	CN10x25 IAS S/P1	
Mount		EF Mount	PL Mount	EF Mount	PL Mount	
Zoom Ratio			7×		10×	
Focal Length	, (TN)		120mm nm / T3.9 120mm	25 ~ 250mm	37.5 ~ 375mm T4.4 37.5 -281mm / T5.9 375mm	
Iris Blades	erture (T-Number)		11	T2.95 25 -187mm / T3.95 250mm	11 14.4 37.5 -281mm / 15.9 3/5mm	
ilis biaues	1.5:1 36.0x24.0mm	71.8°×4	4.2° 17mm	51.3°×35.	5° 37.5mm*3	
Angle of View			.6° 120mm *1	5.5°×3.7 55.3°×30.9° 25mm	° 375mm *3 38.5°×20.9° 37.5mm *3	
1100 (11)	1.9:1 26.2x13.8mm	12.5°×6.6° 120mm) "2 0.85m/2.8'		6.0°×3.2° 250mm	4.0°×2.1° 375mm*3	
M.O.D. (Minimum	Ubject Distance)				m/4.0'	
Object Dimensions	1.5:1 36.0x24.0mm		4cm 17mm cm 120mm *1	8.5×5.7c	cm 37.5mm *3 m 375mm *3	
at M.O.D	1.9:1 26.2x13.8mm		5cm 17mm cm 120mm *2	92.1×48.5cm 25mm 9.3×4.9cm 250mm	61.4×32.3cm 37.5mm *3 6.2×3.3cm 375mm *3	
Front Diameter		11	4mm	11	4mm	
Filter Diameter		CL/1	112mm	CL/	112mm	
Approx. Size (Wx	HxL)	6.86x4.92x10.35 in. (174.2×125.0×262.9mm)	6.86x4.92x10.04 in. (174.2×125.0×254.9mm)	7.6x5.2x11.1in. (186.7x131.7x282.1mm)	7.6x5.2x10.8 in. (186.7x131.7x274.1mm)	
Approx. Weight		6.39 lb	os (2.9kg)	6.7 lbs	s (3.06kg)	
		CN8x15 IAS S/E1 CN8x15 IAS S/P1		CN20×50 IAS H/E1 CN20×50 IAS H/P1		
Appearance Model Name		CN8×15 IAS S/E1	CN8×15 IAS S/P1	CN20×50 IAS H/E1	CN20×50 IAS H/P1	
Mount		EF Mount	PL Mount	EF Mount	PL Mount	
Zoom Ratio			8×		20×	
Focal Length		15 ~ 120mm	22.5 ~ 180mm*	50 ~ 1000mm	75 ~ 1500mm* ⁴	
Max. Relative Apr	erture (T-Number)	T2.95 15 ~ 90mm / T3.95 120mm	T4.4 at 22.5 -135 mm / T5.9 at 180 mm*	T5.0 (50-560mm) / T8.9 (1000mm)	T7.5 (75-840mm) / T13.35 (1500mm) *4	
Iris Blades			11		11	
	1.78:1 24.6x13.8mm	78.7°×49.4° 15 mm 57.3°×34.1° 22.5 mm*	11.7°×6.6° 120 mm 7.8°×4.4° 180 mm*			
Angle	1.9:1 26.2x13.8mm	82.3°×49.4° 15 mm 60.4°×34.1° 22.5 mm*	12.5°×6.6° 120 mm 8.3°×4.4° 180 mm*	29.4°×15.7° 50mm 1.5°×0.8° 1000mm *2	19.8°×10.5° 75mm 1.0°×0.5° 1500mm*² *4	
of View	1.9:1 38.1x20.1mm	80.5°×48.1° 22.5 mm*	12.1°×6.4° 180 mm*			
	1.5:1 36.0x24.0mm	77.3°×56.1° 22.5 mm*	11.4°×7.6° 180 mm*	27.6°×15.7° 50mm 1.4°×0.8° 1000mm*1	18.6°×10.5° 75mm 0.9°×0.5° 1500mm*1*4	
M.O.D. (Minimum	Object Distance)	0.85	im/2.8'		n/11.5'	
	1.78:1 24.6x13.8mm	93.0×52.1cm 15 mm 62.0×34.7cm 22.5mm*	11.3×6.3cm 120 mm 7.5×4.2cm 180 mm*			
Object	1.9:1 26.2x13.8mm	99.0×52.1cm 15 mm 66.0×34.7cm 22.5 mm*	12.0×6.3cm 120 mm 8.0×4.2cm 180 mm*	148.3×78.1cm 50mm 7.8×4.1cm 1000mm ⁻²	98.9×52.1cm 75mm 5.2×2.7cm 1500mm*2*4	
Dimensions at M.O.D	1.9:1 38.1x20.1mm	96.0×50.6cm 22.5 mm*	11.6×6.1cm 180 mm*			
	1.5:1 36.0x24.0mm	90.7×60.5cm 22.5 mm*	11.0×7.3cm 180 mm*	139.3×78.1cm 50mm 7.3×4.1cm 1000mm* ¹	92.9×52.1cm 75mm 4.9×2.7cm 1500mm*1*4	
Front Diameter			4mm	7.3×4.1cm (Journin · 4.9×2.7cm (1900mm · 4		
			112mm	136.Umm CL/127mm, UV/127mm		
Filter Diameter		OL)				
Filter Diameter Approx. Size (Wx	HxL)	7.35x5.18x11.61 in. (186.7×131.7×294.9mm)	7.35x5.18x11.29 in. (186.7×131.7×286.9mm)	6.89x6.72x16.27 in. (175.0×170.6×413.2mm)	6.89x6.72x15.95 in. (175.0×170.6×405.2mm)	

 ^{**} Lenses compatible with Super 35mm Sensor cameras.
 *1: Aspect ratio 1.78:1, Screen size 24.6 x 13.8 mm.
 *2: Aspect ratio 1.9:1, Screen size 26.2 x 13.8 mm.
 *3: When using internal extender (1.5x).
 *4: When using the built-in extender.

COMPACT-SERVO Lens Series

		CN-E18-80mm T4.4 L IS KAS S	CN-E70-200mm T4.4 L IS KAS S
Appearance			
Model Name		CN-E18-80mm T4.4 L IS KAS S	CN-E70-200mm T4.4 L IS KAS S
Mount		EF Mount	EF Mount
Zoom Ratio		4.4×	2.8×
Focal Length		18 ~ 80mm	70 ~ 200mm
Max. Relative Aperture (T-Number)		T4.4 18 ~ 80mm	T4.4 70 ~ 200mm
Iris Blades		9	9
Angle	1.5:1 36.0x24.0mm	68.7°×41.9° 18mm 17.5°×9.9° 80mm *1	19.9°×11.3° 70mm 7.0°×4.0° 200mm *1
of View	1.9:1 26.2x13.8mm	72.1°×41.9° 18mm 18.6°×9.9° 80mm *²	21.2°×11.3° 70mm 7.5°×4.0° 200mm *²
M.O.D. (Minimu	ım Object Distance)	0.5m/1.7'	1.2m/4.0'
Object Dimensions	1.5:1 36.0x24.0mm	43.4×24.3cm 18mm 9.5×5.3cm 80mm *1	31.3x17.5cm 70mm 11.5x6.4cm 200mm *1
at M.O.D	1.9:1 26.2x13.8mm	46.2×24.3cm 18mm 10.1×5.3cm 80mm ^{*2}	33.3x17.5cm 70mm 12.2x6.4cm 200mm *2
Front Diameter		84mm	84mm
Filter Diameter		77mm Protect Filter, PL-C B 77mm	77mm Protect Filter, PL-C B 77mm
Approx. Size (WxHxL)		3.67x4.22x7.18 in. (93.4×107.2×182.3mm)	3.67x4.22x7.18 in. (93.4x107.2x182.3mm)
Approx. Weight		2.65 lbs (1.2kg) (including servo unit)	2.76 lbs (1.25kg) (including servo unit)

- ** Lenses compatible with Super 35mm Sensor cameras.
 *1: Aspect ratio 1.78:1, Screen size 24.6 x 13.8 mm.
 *2: Aspect ratio 1.9:1, Screen size 26.2 x 13.8 mm.

COMPACT-SERVO Lens Accessories

ZSG-C10



- Rocker seesaw
- Start/Stop button
- ONE-SHOT AF button
- 20-pin cable *1
- Flexible mounting angle.
- % Sold separately.% Support strut, bracket, hex wrench included.
- *1: For connection to the lens body.

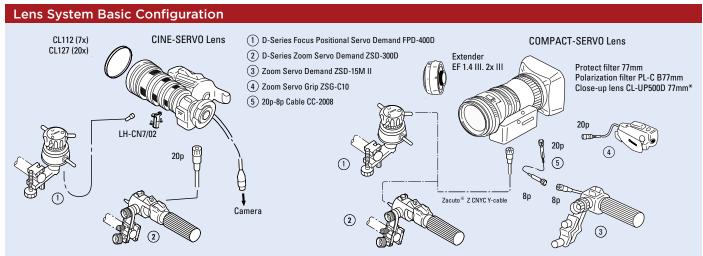
CINE-SERVO Lens / COMPACT-SERVO Lens Accessories

Category	Model	Notes	CN7×17 KAS S/E1 CN7×17 KAS S/P1	CN10x25 IAS S/E1 CN10x25 IAS S/P1	CN20×50 IAS H/E1 CN20×50 IAS H/P1	CN-E18-80mm CN-E70-200mm
	FPD-400D	There is no need for an optional cable.	•	•	•	•
	FDJ-D02	BDC - 11 cable (20p - 18p) is required.	•	•	•	*1 **2
	FDJ-P01	BDC - 21 cable (20p - 12p) is required.	•	•	•	_
Focus Demand	FDJ-S01	BDC - 21 cable (20p - 12p) is required.	•	•	•	_
	FDJ-S31	BDC - 21 cable (20p - 12p) is required	•	•	•	_
	FDJ-S41	BDC - 21 cable (20p - 12p) is required	•	•	•	_
	ZSD-300D	There is no need for an optional cable.	•	•	•	•
	ZSD-15MII	CC-2008 Cable (20p - 8p) is required.	•	•	•	● *1 *2
vZoom Demand	ZDJ-D02	BDC-11 cable (20p-18p) is required.	•	•	•	<u>*1*2</u>
	ZDJ-P01	BDC - 21 cable (20p - 12p) is required.	•	•	•	_
	ZDJ-S01	BDC - 21 cable (20p - 12p) is required	•	•	•	_
Iris Demand	FDJ-D02	BDC - 11 cable (20p - 18p) is required.	•	•	•	_
	FDJ-P01	BDC - 21 cable (20p - 12p) is required.	•	•	•	_
	BDC-21	20p-12p cable. Required for FDJ-P01 / ZDJ-P01.	•	•	•	_
Demand Cable	BDC-11	20p - 18p cable. Required for FDJ-D02 / ZDJ-D02.	•	•	•	_
	CC-2008	20p - 8p cable. Required for ZSD-15II	•	•	•	•
	77mm Protect Filter	77mm Protect filter	_	_	_	•
Clear Filter	CL/112mm	CL/112mm	•	•	_	_
	CL/127mm	CL/127mm	_	_	•	_
Polarizaton Filter	PL-C B 77mm	PL-C B 77mm	_	_	_	•
Close-Up Lens	CL-UP500D 77mm	CL-UP500D 77mm	_	_	_	•
Lens Holder	LH-CN7/02	Used when you want to improve the degree of freedom of Focus ring rotation operation. (The lens support attached to the main unit is supported on the front side.)	•	•	_	_
Power Cable	C-ZLPRO*	For power supply from external battery. 12-pin - Dtap cable.	•	•	•	_
12p-12p Extension Cable	12p-12p CABLE 200mm	Used for extending 12p cable to pair with EU-V2 (C300iii, C500ii Accessory).	•	•	•	_

^{*3:} Some vignetting occurs when used in combination with RED's Epic system.







^{*} Some vignetting occurs when used in combination with RED's Epic system.

^{*1:} Multiple controllers can not be connected at the same time (because there is only one connector). When installing the ZSG - C10 and enabling the operation on the grip side, you can not connect the external controller. with COMPACT-SERVO lenses.

^{**} The optional Zacuto* Z-CNYC Y-cable allows for simultaneous use of zoom and focus controllers with both Compact-Servo lenses.

Notes	

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Broadcast Lens Cine Lens

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