CN7x17 KAS S – Canon First 4K cine-servo lens





Broadcast applications



Cinema applications



Best in class focal length





Servo drive unit

High-speed zoom, iris and focusing operation



- Optimised with high-speed zoom, iris and focusing to allow operators to respond rapidly during fast-paced scenes
- Unrivalled control over slow zooming
- Ideal for use in mobile productions such as documentaries

Great Design of CN7x17 KAS S





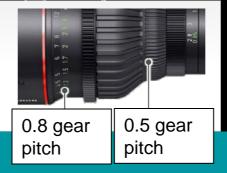


Focal length indicated on lens barrel area





Focus ring

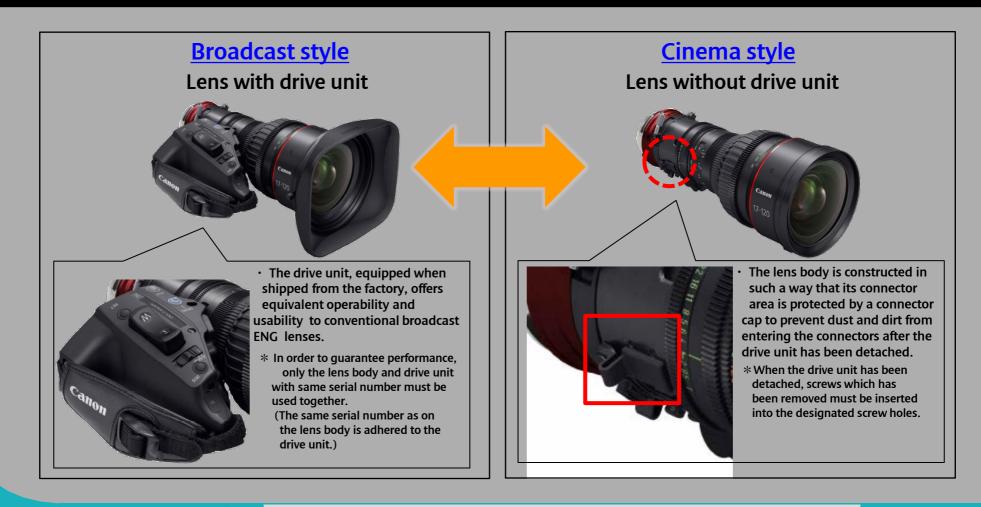


Wide Focus rotation angle





Flexible operation between BCTV and Cinema style





When users install the drive unit in the lens body after removal of it, they do not need to adjust gear positions (focus / zoom / iris) so that they can simplify the work. (Cabrio needs to adjust each gear position .)

Canon

Specifications of the CN7x17 KAS S

Product name	CN7x17 KAS S
Focal length (mm)	17-120
T number	T2.95 at 17-91mm T3.9 at 120mm
Zoom Ratio	7x
MOD (m)	0.85
Image size diameter (mm)	31.7
Number of Iris blades	11
Total length (mm)	254.9 (PL)
Filter diameter (mm)	Ф114
Mass (kg)	2.9
Gear module (mm)	F0.8/0.5 Z 0.5 IRIS 0.4



Canon

Specifications of the *Drive Unit*

		CN7x17 KAS S
Maximum speed	Iris	1.3sec
	Zoom	0.5sec
	Focus	1.6sec
Low-speed drive	Zoom	300sec
Reproducibility (entire range ratio)	Iris	0.10%
	Zoom	0.10%
	Focus	0.01%
No. of encoder pulses	Zoom	16 bits or more
	Focus	16 bits or more



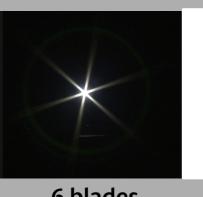
Natural Bokeh effect with 11 iris blades



11 blades



9 blades



6 blades

* The aperture can be closed.

New developed DU with low power consumption



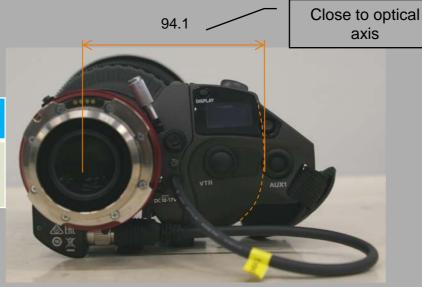
Canon 17-120mm: 500mA

Ergonomic design to reduce the physical stress

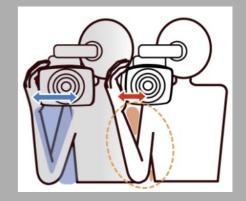
From the optical axis to the palm(mm)

CN7x17 KAS S

94.1



CINE-SERVO CN7x17 KAS S



By reducing the width of the drive unit, the palm of the camera operator's hand is positioned closer to the optical axis, thus reducing the degree of arm bend which in turn lessens physical stress during prolonged shooting.

The communication with cameras

CN7x17 KAS S

(1) 12-pin B4 Serial Interface (EF / PL)

The same communication as with existing broadcast lenses can be performed.



/i Technology, a communication system used widely in the cinema industry, is supported

(3) EOS-LENS data communication (EF)

CINEMA EOS SYSTEM data management functions and image compensation are enabled by Canon's original function for communicating with cameras (electrical contacts provided for communication between camera and lens)







- **ARRI** cameras
- **SONY** cameras
- Ikegami camera (3)
- **RED** cameras
- Canon cameras (5)

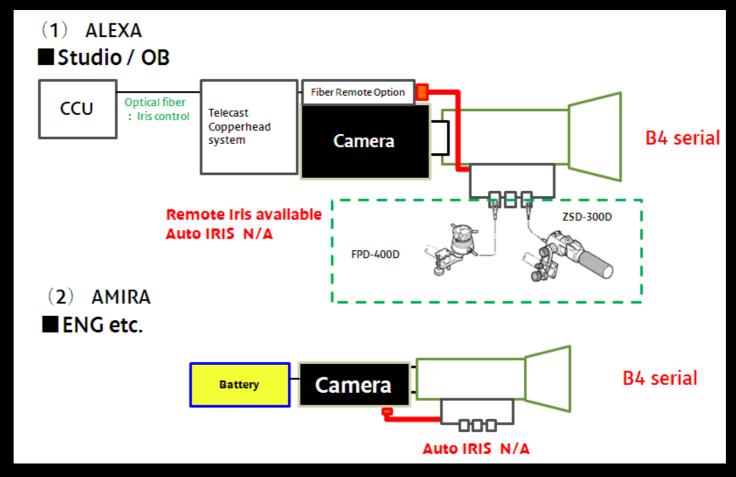






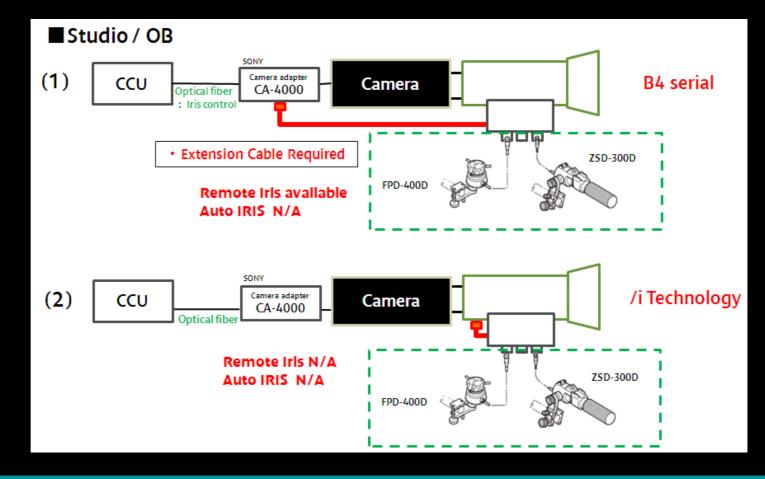


1 ARRI cameras: ALEXA/AMIRA



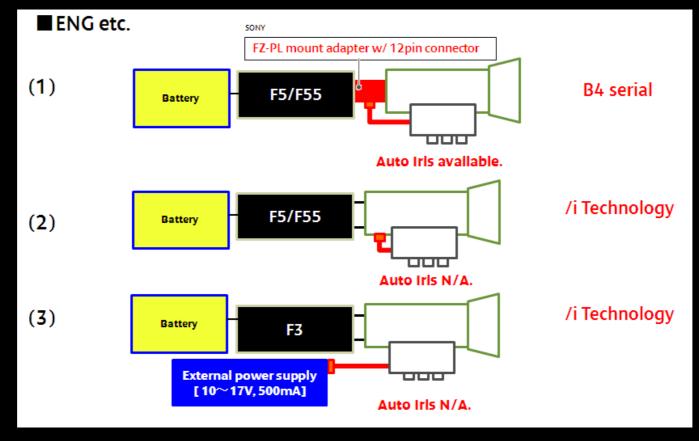


② **SONY cameras:** PMW-F5 / F55 w/CA-4000





② **SONY cameras:** PMW-F5 / F55 / F3

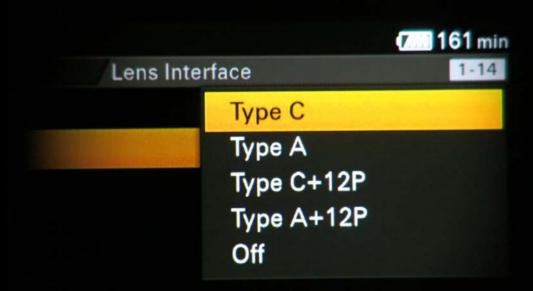


• External power supply is required due to shortage of power via PMW-F3





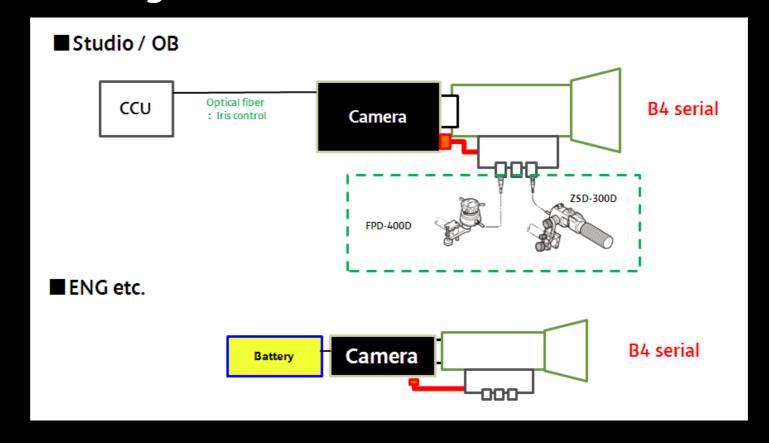
② **SONY** cameras



Note!!
Please check the menu "Lens Interface" is TYPE-C.

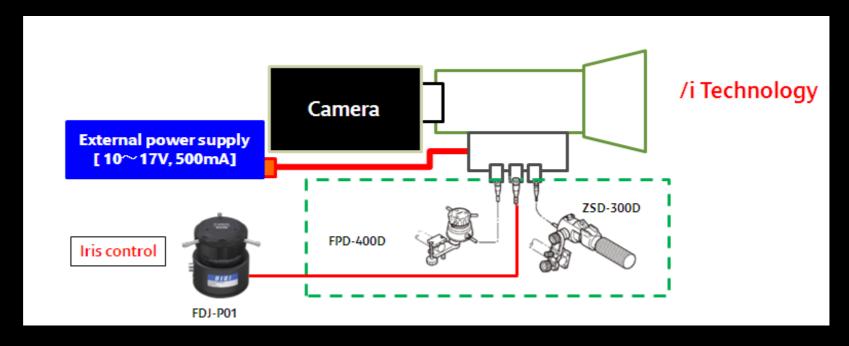


(3) **Ikegami camera:** HDK-97 ARRI





4 **RED cameras:** RED ONE, EPIC, SCARLET

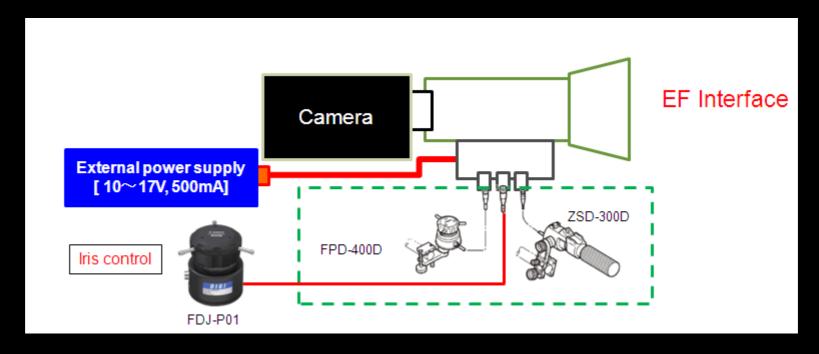


- · External power supply is required due to shortage of power via RED Cameras
- With RED EPIC with DRAGON sensor, a vignetting will happen in 6K recording





(5) **Canon cameras:** C500, C300, C100, 1DC

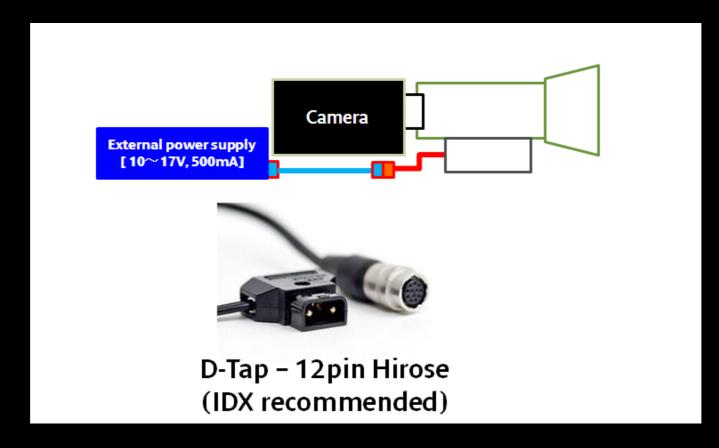


- External power supply is required due to shortage of power via EF Mount
- C500 PL, C300 PL don't have i/ connector
- RC-V100 and can't control the iris of CN7x17





For your information....



In the box...





Lens body (including a lens cap and a dust cap)

Hood and hood cap

Spare drive unit installation screws (x3) Storage bag for drive unit

Installation post (Post installed on 19 mm diameter rod)



CD-ROM



- (1) Detailed instructions for drive unit display operation
- (2) Description of main drive unit display operation functions
- (3) Reference guide (depth of field data)

Canon

CN7x17 KAS S

- High optical performance for single-chip large-format cameras (4K resolution)
- 7x zoom with hugely versatile 17-120mm focal range
- Designed for hand-held broadcast use
- Removable drive unit supports cinema applications
- Lens-camera communication function
- Durable and rugged design

New lens supports broadcasters using large-sensor cameras





Canon

- Suited to shoulder and tripod-mounted use
- Easy control of zoom, focus and iris
- 16-bit encoder output
- Maximum T-number of T2.95
- Robustly designed for reliability
- Compatible with a wide range of accessories

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