

# Canon

# HJ17ex6.2B

PREMIUM STANDARD HDTV LENS: WIDER & CLOSER, BRINGS ADDITIONAL MOBILITY TO HD VIDEO PRODUCTION



**INNOVATION**

In TV Optics Since 1958

Toward 100 years anniversary

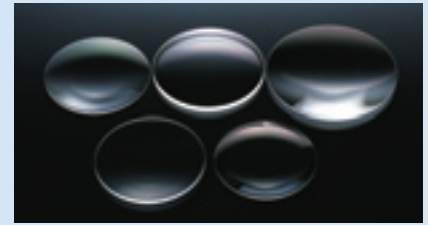
**HDXS**



**Outstanding optical performance of the Canon HDxs Series**

The HDxs Series makes optimum use of original Canon optical elements, UD (Ultra Low Dispersion) glass, large-diameter high-precision aspherical lenses and more, with their potential maximized through designs employing Canon's original "Power Optical System" optical design technology.

At the same time, the HDxs Series succeeds in suppressing ghosting and flaring by employing ray simulation technology in conjunction with original Canon spectral coating. Its amalgamation of advanced Canon optical technologies also minimizes curvature of field, comatic aberration, chromatic aberration of magnification, and axial chromatic aberration throughout the entire filed regardless of focal length or subject distance, stably exhibiting peak optical performance.



Specially designed optical lens elements

**Enhanced Digital Drive Unit**

**Information Display**

**Zoom Speed Volume in New Location**

**New Rubber Grip Support**



The incorporation of miniature 16-bit, high resolution Rotary Encoder Devices into the new enhanced digital drive unit, has extended the features of the HJ17ex6.2B to include:

- Precision control of all lens operations
- Precise digital repeatability of zoom, focus and iris control that support innovative image creation
- Simple and direct digital integration into virtual studio systems
- Precision zoom control over a total speed range of 0.5 sec. to more than 5 min.

Moreover, Canon's unique Information Display provides easy, precise customization of the enhanced digital functions such as Shuttle Shot, Frame Preset and Speed Preset.

**Premium Standard Lens : Focal Length of 6.2-106mm(12.4-212mm with 2x)**

**Short M.O.D.0.4m (10mm with Macro)**

**Newly Designed Ergonomic Drive Unit**



**2.0x Extender**

**Wide and Close Zoom Range**

6.2-106mm 212mm



**Dynamic Zoom Speed Range (0.5sec-5min from wide end to tele end)**

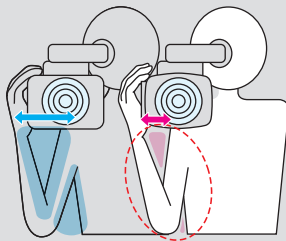
**Exceptional High Optical Performance High MTF, Minimized Chromatic Aberrations and Innovative Countermeasures against Ghosting and Flares**

**Improved Operability & Reduced Operator Fatigue**

Coupled with innovations in optical performance, is a totally new design of the digital drive unit.

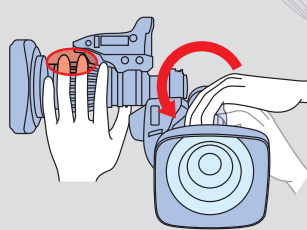
Refined by long-term market research and worldwide experience, Canon mobilized the latest in 3D CAD-CAM design to significantly improve the human tactile interface to the control of zoom, iris, and focus. Here are some results of Canon's research:

**Reduced Physical Stress**



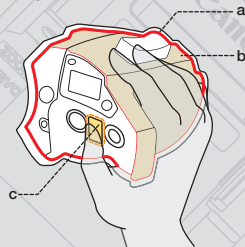
By reducing the width of the drive unit, the palm of the camera operator's hand is positioned closer to the optical axis, thus reducing the degree of arm bend which in turn lessens physical stress during prolonged shooting.

**Improved Ease of Operation**



The spacing between the focus ring and drive unit has been changed to avoid accidental interference with the drive unit while manipulating the focus control.

**Ergonomic Design**



The size and curvature size have been optimized to more comfortably fit in the palm of the operator's hand (a). Newly developed coatings improve the tactile interface between the user and the drive unit (b) together with the new Rubber Grip Support (c).

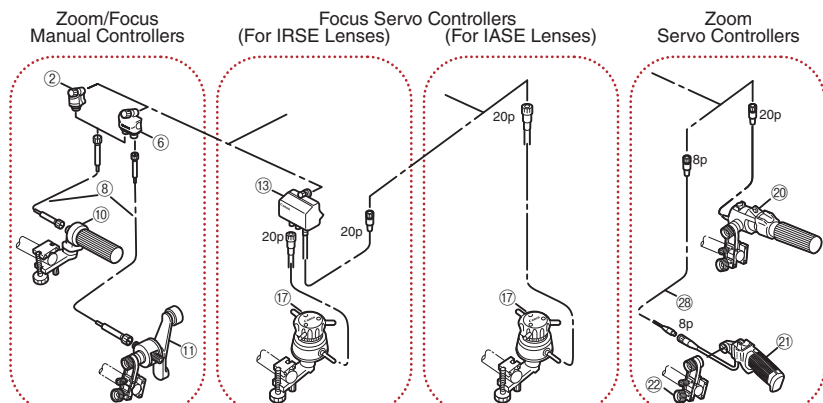
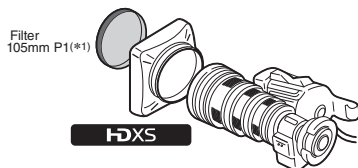
**SPECIFICATIONS**

HJ17ex6.2B	NORMAL 16:9		SWITCHABLE 4:3 <sup>(1)</sup>	
	1.0x	2.0x	1.0x	2.0x
Built-in extender				
Zoom Ratio	17x			
Range of Focal Length	6.2-106mm	12.4-212mm	6.2-106mm	12.4-212mm
Maximum Relative Aperture	1:1.8 at 6.2-65.8mm 1:2.9 at 106mm	1:3.6 at 12.4-131.6mm 1:5.8 at 212mm	1:1.8 at 6.2-65.8mm 1:2.9 at 106mm	1:3.6 at 12.4-131.6mm 1:5.8 at 212mm
Angular Field of View	75.5°×47.1° at 6.2mm 5.2°×2.9° at 106mm	42.3°×24.6° at 12.4mm 2.6°×1.5° at 212mm	60.3°×47.1° at 6.2mm 3.9°×2.9° at 106mm	32.4°×24.6° at 12.4mm 1.9°×1.5° at 212mm
Minimum Object Distance (M.O.D.)	0.4m (10mm with Macro)			
Object Dimensions at M.O.D.	73.3×41.2cm at 6.2mm 4.1×2.3cm at 106mm	36.7×20.6cm at 12.4mm 2.1×1.2cm at 212mm	54.9×41.2cm at 6.2mm 3.1×2.3cm at 106mm	27.5×20.6cm at 12.4mm 1.6×1.2cm at 212mm
Approx. Size	W×H×L=165.0×112.3×240.5mm			
Approx. Mass	IRSE 1.97kg (4.34lbs) / IASE 2.05kg (4.52lbs) <sup>(2)</sup>			

<sup>1</sup> Specifications apply to Most Switchable camera when set to 4:3 mode (sensor size of 7.2×5.4mm), without using an optical Shrinker.

<sup>2</sup> HJ17ex6.2B IRSE Zoom: Servo / Manual Focus: Manual  
HJ17ex6.2B IASE Zoom: Servo / Manual Focus: Servo / Manual

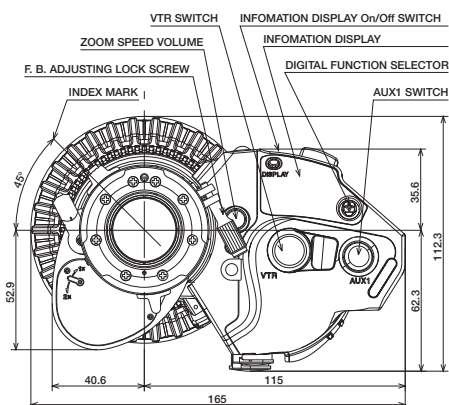
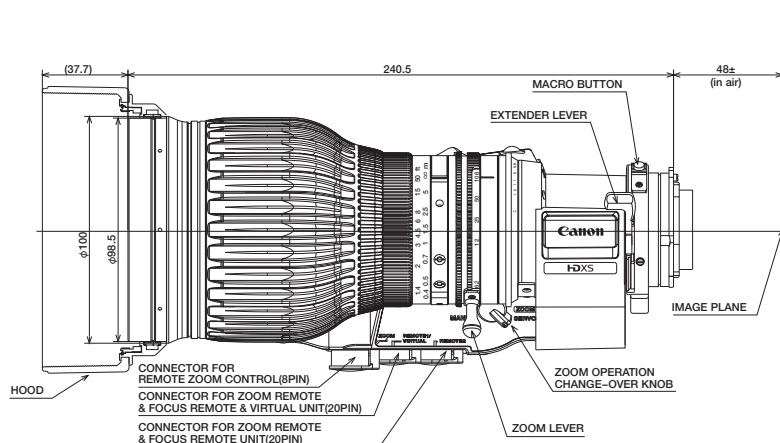
## ACCESSORIES



(※1) For the optical accessories, the 105mm diameter P1 filters are applicable. The filters are to be attached to the lens hood. (UV/Cross/Snow Cross/Sunny Cross/Polarized Light/Softon/ND8)  
The optical converters and attachments are not applicable.

#	Unit	Description
②	FFM-100	Flex Focus Module
⑥	FFM-200	Flex Dual Module
⑧	FC-40	Flex Cable
⑩	FFC-200	Flex Focus Controller
⑪	FZC-100	Flex Zoom Controller
⑬	FPM-420D	Focus Positional Servo Module
⑰	FPD-400D	Focus Positional Demand
⑳	ZSD-300D	Zoom Servo Demand
㉑	ZSG-200M	Zoom Servo Grip
㉒	CR-10	Clamper
㉓	EC-80	Zoom Extension Cable (8P)

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Specifications subject to change without notice.