

Canon

YJ13x6B KRS

YJ13x6B IRS



*The Widest Pro-Video Zoom Lens:
Setting a New Standard*

IFpro ~~S~~HUTTLE~~S~~HOT



The Widest Pro-Video Zoom Lens: Setting a New Standard

YJ13x6B KRS

IFpro
SHUTTLESHOT

YJ13x6B IRS (Built-in 2x extender)

Canon is proud to introduce the YJ13x6B, which has emerged from Canon's exceptional Pro-Video Wide Lens YJ12x6.5B. The new YJ13x6B surpasses Pro-video Wide lenses by offering the Widest focal length (6mm), the Highest zoom ratio (13x), and the Fastest zoom speed (1.2 sec from wide end to tele end). In addition to having Canon's innovative 3-group Internal Focus (IF) Technology and exclusive Shuttle Shot Function, its new ergonomically designed drive unit accounts for its ideal balance and comfort.

Additional Features <Optical Performance>

Minimum Focal Length of 6mm at Wide End

- The widest among the Standard Pro-Video lenses.

Lightweight Design

KRS-1.54kg (3.39lbs) IRS-1.74kg (3.83lbs)

- 190g lighter compared to the YJ12x6.5B KRS
- 160g lighter compared to the YJ12x6.5B IRS

Short Minimum Object Distance-0.4m

Reduced Chromatic Aberration and Distortion

- Although chromatic aberration and distortion are common as a result of front lens movement, they have been greatly reduced.

High and Flat MTF

- Achieves a higher MTF by increasing the resolution at the edges and corners of a picture.

YJ13x6B KRS

Compact Square Hood

- Effectively eliminates ghosting and flare.

YJ13x6B IRS (Built in 2x extender)

Creative Filter Work

- Re-indexing is no longer necessary due to the filter attaching to the front of the lens and therefore remaining stationary.

IF Technology

Pro-Video camera people can take advantage of Canon's breakthrough technology that broadcasters have enjoyed for years-Internal Focus (IF).

Internal Focus technology was pioneered by Canon and first introduced into their Broadcast ENG lenses. It has since become the industry-standard. Internal Focus is a system where the front end of the lens remains stationary and does not rotate. Only internal elements move when focusing.

Internal Focus enhances optical performance and provides several user benefits:

- IF improves chromatic aberrations, thus increasing resolution.
- IF is not sensitive to change in object distances.
- IF decreases flare by use of square hood.
- IF enables a higher level of creative filter work.
- Even heavy optical accessories attached at the end of the Lens does not affect the focusing operation.

Additional Features
<Servo & Mechanical Performance>

●Maximum Zoom Speed 1.2 sec
from wide end to tele end.



●Shuttle Shot Switch
The Shuttle Shot function ON/OFF switch can also be allocated to either the VTR or RET switches by means of a DIP switch.

●Ribbed Surface
The ribbed surface on the bottom of the Drive Unit provides better handling control.

●New Ergonomic Drive Unit
The new ergonomically designed Drive Unit achieves an ideal balance and comfort by having it tilt to an angle. In addition, the size of the unit has been minimized to comfortably fit in the palm of the hand. Overall, it improves the feeling of unity between the user and the lens.

●Grip Support
Allows a user to securely grip the Drive Unit without pressing on the VTR or Shuttle Shot buttons.

SHUTTLE SHOT TECHNOLOGY



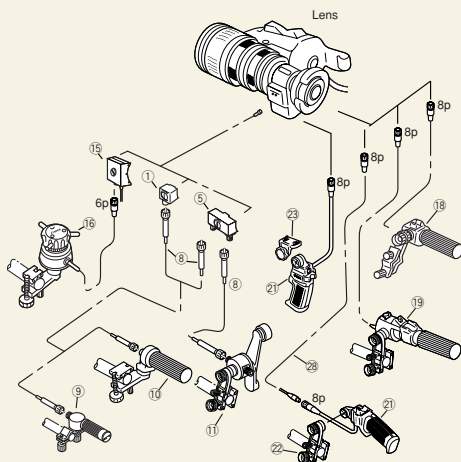
Canon’s unique technology allows the lens to zoom back and forth between any two positions at the touch of a button.



Shuttle Shot is a Canon Exclusive Technology that enhances production capabilities. At the touch of a button, this feature allows the operator to zoom back and forth instantly between any two positions. It can be used to zoom to the telephoto position to check focus and then return instantly to the original position or you can “shuttle” between any two-zoom positions at any time. Shuttle Shot adds even more to the Pro-Video standard lens.

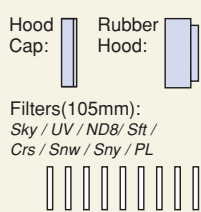
SPECIFICATIONS						
	YJ13x6B KRS		YJ13x6B IRS			
Zoom Ratio	13x		13x			
Built-in extender	—		1.0x	2.0x		
Range of Focal Length	6 - 78mm		6 - 78mm	12 - 156mm		
Maximum Relative Aperture	1:2.0 at 6 - 58mm 1:2.7 at 78mm		1:2.0 at 6 - 58mm 1:2.7 at 78mm	1:4.0 at 12 - 116mm 1:5.4 at 156mm		
Angular Field of View	4:3 Aspect Ratio (8.8X6.6mm) 72.5° x 57.6° at 6mm 6.5° x 4.8° at 78mm	16:9 Aspect Ratio (9.6X5.4mm) 77.2° x 48.4° at 6mm 7.0° x 4.0° at 78mm	4:3 Aspect Ratio (8.8X6.6mm) 72.5° x 57.6° at 6mm 6.5° x 4.8° at 78mm	16:9 Aspect Ratio (9.6X5.4mm) 77.2° x 48.4° at 6mm 7.0° x 4.0° at 78mm	4:3 Aspect Ratio (8.8X6.6mm) 40.3° x 30.8° at 12mm 3.2° x 2.4° at 156mm	16:9 Aspect Ratio (9.6X5.4mm) 43.6° x 25.3° at 12mm 3.5° x 2.0° at 156mm
Minimum object Distance (M.O.D.)	0.4m (10mm with Macro)		0.4m (10mm with Macro)			
Object Dimensions at M.O.D.	4:3 Aspect Ratio (8.8X6.6mm) 68.1 x 51.1cm at 6mm 5.0 x 3.8 cm at 78mm	16:9 Aspect Ratio (9.6X5.4mm) 74.6 x 42.0cm at 6mm 5.4 x 3.0cm at 78mm	4:3 Aspect Ratio (8.8X6.6mm) 68.1 x 51.1cm at 6mm 5.0 x 3.8cm at 78mm	16:9 Aspect Ratio (9.6X5.4mm) 74.6 x 42.0cm at 6mm 5.4 x 3.0cm at 78mm	4:3 Aspect Ratio (8.8X6.6mm) 34.1 x 25.6cm at 12mm 2.5 x 1.9cm at 156mm	16:9 Aspect Ratio (9.6X5.4mm) 36.6 x 20.6cm at 12mm 2.8 x 1.6cm at 156mm
Approx. Size	W x H x L = 165.4 x 105.1 x 211.7 mm		W x H x L = 165.4 x 105.1 x 234.8 mm			
Approx. Mass	1.54Kg (3.39lbs)		1.74kg (3.83lbs)			

LENS CONTROLLERS



#	Unit	Description	CODE
①	FM-12	Flex Focus Module	1824A012
⑤	FM-70	Flex Dual Module	0002T071
⑧	FC-40	Flex Cable	1824A010
⑨	FFC-15	Flex Focus Controller	1824A024
⑩	FFC-200	Flex Focus Controller	1824A014
⑪	FZC-100	Flex Zoom Controller	1824A021
⑮	FPM-77	Focus Positional Servo Module	1824A020
⑯	FPD-400	Focus Positional Demand	1824A018
⑱	ZSD-15M II	Zoom Demand	1824A071
⑲	ZSD-300M	Zoom Demand	1824A067
㉑	ZSG-200M	Zoom Servo Grip	1824A069
㉒	CR-10	Clamper	1824A007
㉓	GA-70	Grip Adapter	0018T531
㉔	EC-80	Zoom Extension Cable (8P)	1824A009

OPTICAL ACCESSORIES



YJ13x6B KRS

YJ13x6B IRS

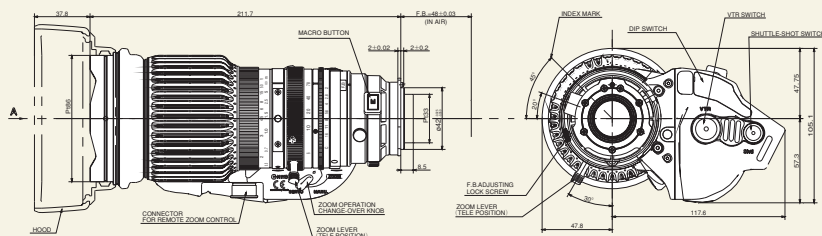
Dust Cap

- Standard Composition:
- Lens
 - Hood Unit (Hood Cap, Rubber Hood.)
 - Dust Cap.
 - Operational Manual.

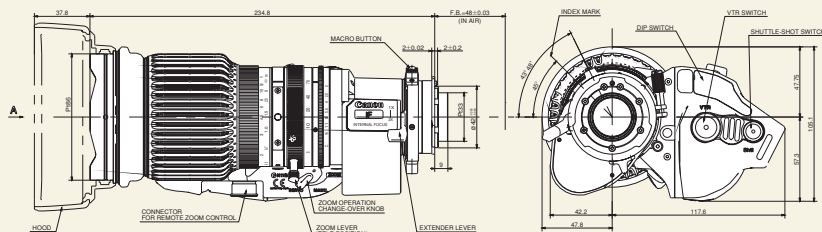
MODEL	CODE
UV / 105mmP1	1823A022
Sky / 105mmP1	1823A023
Crs / 105mmP1	1823A024
Sny / 105mmP1	1823A025
Snw / 105mmP1	1823A027
ND8 / 105mmP1	1823A026
Sft / 105mmP1	1823A020
PL / 105mmP1	1823A028

DIMENSION:

YJ13x6B KRS



YJ13x6B IRS



North & South America

Canon U.S.A., Inc.
Broadcast and Communications Div. (Headquarters)
65 Challenger Road, Ridgefield Park, NJ 07660
Tel: (201) 807-3300 / (800) 321-4388
Fax: (201) 807-3333
Email: bctv@cusa.canon.com
http://www.canonbroadcast.com/

Chicago

100 Park Blvd, Itasca, IL 60143
Tel: (630) 250-6236 Fax: (630) 250-0399

Atlanta

5625 Oakbrook Pkwy, Norcross, GA 30093
Tel: (770) 849-7890 Fax: (770) 849-7888

Los Angeles

15955 Alton Parkway Irvine, CA 92618
Tel: (949) 753-4330 Fax: (949) 753-4337

Dallas

3200 Regent Blvd, Irving, TX 75063
Tel: (972) 409-8871 Fax: (972) 409-8869

Latin America

Tel: (954) 349-6975 Fax: (201) 807-3333

Canada

Canon Canada, Inc.
Broadcast and Communications Div.
6390 Dixie Road
Mississauga, Ontario, L5T 1P7, Canada
Tel: (905) 795-2012 Fax: (905) 795-2140

Europe/Africa/Middle East

Canon Europa N.V.
Broadcast and Communications Div.
Bovenkerkerweg 59-61
1185 XB Amstelveen
Tel: +31(0)20-5458905 Fax: +31(0)20-5458203
Email: tvprod@canon-europe.com
http://www.canon-europe.com/tv-products

Australia

Canon Australia Pty. Ltd.
Optical Products Division
1 Thomas Holt Drive, North Ryde, NSW 2113, Australia
Tel: +61(0)2-9805-2000 Fax: +61(0)2-9805-2444

China

Canon (China) Co., Ltd.
Optical Products Division
15F South Tower, Beijing Kerry Center, 1 Guang Hua Road,
Chao Yang District, 100020, Beijing, China
Tel: (010) 8529-8488 ex 133 Fax: (010) 8529-6606
http://www.canon.com.cn

Asia/Japan

Canon Inc. (Broadcast Equipment Group)
23-10, Kiyohara-Kogyo-Danchi, Utsunomiya-shi,
Tochigi-ken, 321-3298, Japan
Tel: +81(0)28-667-8669 Fax: +81(0)28-667-8672
http://www.canon.com/bctv/