

Canon

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YJ13x6B KRS

YJ13x6B IRS



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

IFpro **SHUTTLES**SHOT



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

YJ13x6B KRS

IF pro
SHUTTLE SHOT

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



YJ13x6B KRS

Compact Square Hood

- Effectively eliminates ghosting and flare.

Reduced Chromatic Aberration and Distortion

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



YJ13x6B IRS
(Built in 2x extender)

High and Flat MTF

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

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

SHUTTLE SHOT

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

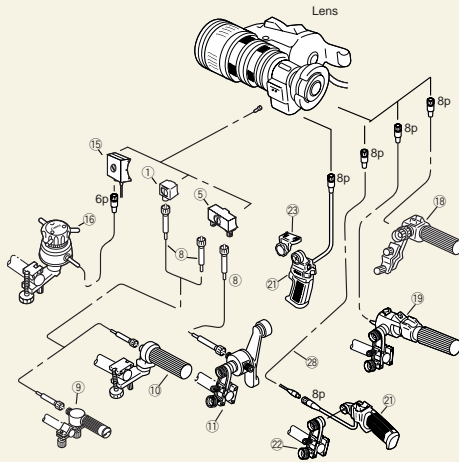


Shuttle Shot is a Canon Exclusive Technology that enhances production capabilities. At the touch of a button, this feature allows the operator to zoom back and forth instantly between any two positions. It can be used to zoom to the telephoto position to check focus and then return instantly to the original 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

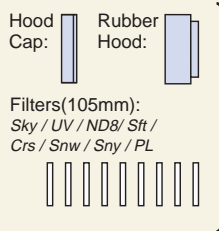
| | YJ13x6B KRS | | YJ13x6B IRS | | | |
|----------------------------------|--|--|---|--|---|--|
| Zoom Ratio | 13x | | 13x | | | |
| Built-in extender | — | | 1.0x | | 2.0x | |
| Range of Focal Length | 6 - 78mm | | 6 - 78mm | | 12 - 156mm | |
| Maximum Relative Aperture | 1:2.0 at 6 - 58mm 1:2.7 at 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 |
| ⑳ | ZSG-200M | Zoom Servo Grip | 1824A069 |
| ㉑ | CR-10 | Clamper | 1824A007 |
| ㉒ | GA-70 | Grip Adapter | 0018T531 |
| ㉓ | EC-80 | Zoom Extension Cable (8P) | 1824A009 |

OPTICAL ACCESSORIES



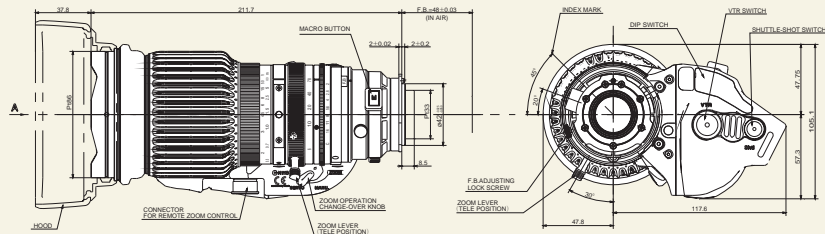
YJ13x6B KRS
YJ13x6B IRS

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

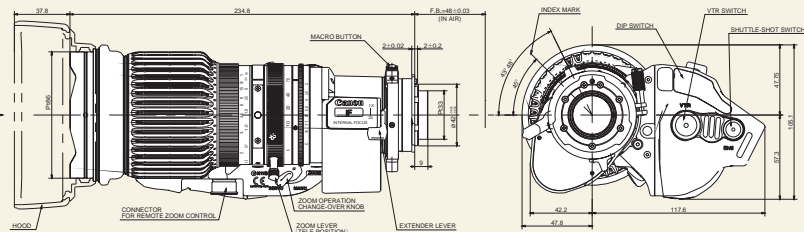
| MODEL | CODE |
|---------------|----------|
| UV / 105mmP1 | 1823A022 |
| Sky / 105mmP1 | 1823A023 |
| Crs / 105mmP1 | 1823A024 |
| Sny / 105mmP1 | 1823A025 |
| Snw / 105mmP1 | 1823A027 |
| ND8 / 105mmP1 | 1823A026 |
| Sft / 105mmP1 | 1823A020 |
| PL / 105mmP1 | 1823A028 |

DIMENSION:

YJ13x6B KRS



YJ13x6B IRS



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