

Canon's HDgc Lenses for Ikegami's GFCAM

Specifications

Lens	KJ10ex4.5B IRSE	KJ16ex7.7B IRSE	KJ21ex7.6B IRSE
Zoom Ratio/Format	10x	16x	21x
Range of Focal Length (with Extender)	4.5 - 45mm (9 - 90mm)	7.7 - 124mm (15.4 - 248mm)	7.6 - 160mm (15.2 - 320mm)
Maximum Relative Aperture (with Extender)	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)	1:1.8 at 7.7 - 97mm 1:2.3 at 124mm (1:3.6 at 15.4 - 194mm) (1:4.6 at 248mm)	1:1.8 at 7.6 - 112.9mm 1:2.55 at 160mm (1:3.6 at 15.2 - 225.9mm) (1:5.1 at 320mm)
Angular Field of View° (with Extender)	93.7°x 61.9° 12.2°x 6.9° (56.1°x 33.4°) (6.1°x 3.4°)	63.9° x 38.6° 4.4° x 2.5° (34.6° x 19.9°) (2.2° x 1.2°)	64.6° x 39.1° 3.4° x 1.9° (35.1° x 20.1°) (1.7° x 1.0°)
M.O.D.	0.3m (10mm with Macro)	0.6m (10mm with Macro)	0.8m (10mm with Macro)
Size (WxHxL)	168.2 x 110.6 x 237.7 mm	163.9 x 106.3 x 197.4mm	169.4 x 111.9 x 218.6mm
Weight (approx.)	4.04lbs (1.83kg)	3.23lbs (1.47kg)	3.94lbs (1.79kg)
Built-in Extender	2.0x	2.0x	2.0x

Specifications

Lens	KJ13x6B KRS	KJ20x8.5B KRS
Zoom Ratio/Format	13x	20x
Range of Focal Length (with Extender)	6 - 78mm	8.5 - 170mm
Maximum Relative Aperture (with Extender)	1 : 2.0 at 6 - 58mm 1 : 2.7 at 78mm	1:1.8 at 8.5 - 113.3mm 1:2.7 at 170mm
Angular Field of View° (with Extender)	77.3° x 48.5° 7.0° x 4.0°	58.9° x 35.2° 3.2° x 1.8°
M.O.D.	0.4m (10mm with Macro)	0.9m (10mm with Macro)
Size (WxHxL)	165.4 x 105.1 x 211.7mm	163.3 x 103 x 170.4mm
Weight (approx.)	3.5lbs (1.59kg)	2.8lbs (1.27kg)
Built-in Extender	—	—



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Specifications subject to change without notice. Errors and omissions excepted.
Weight and dimensions are approximate.

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Canon's HDgc Lenses Let You Maximize The Potential of Your Ikegami GFCAM



- KJ10ex4.5B IRSE**
- 10X zoom ratio, and a 2X extender
 - Wide-angle version (4.5mm wide angle)
 - Canon's eDrive and Shuttle Shot technology
 - Dynamic zoom speed range: 0.5 seconds - 5 minutes



- KJ16ex7.7B IRSE**
- 16X zoom ratio and a 2X extender
 - Lightweight for both ENG and EFP applications
 - Canon's eDrive and Shuttle Shot technology
 - Dynamic zoom speed range: 0.5 seconds - 5 minutes



- KJ21ex7.6B IRSE**
- 21X zoom ratio and a 2X extender
 - Ideal for both ENG and EFP applications.
 - Canon's eDrive and Shuttle Shot technology
 - Dynamic zoom speed range: 0.5 seconds - 5 minutes

Whether you own or plan to buy an Ikegami GFCAM Camcorder, you'll want to make sure it's outfitted with a Canon HDgc lens. HDgc lenses deliver HD optical quality and feature many of Canon's remarkable high-end advances. The HDgc line's lenses for 2/3-inch CCD cameras include: the KJ21ex7.6B IRSE (telephoto lens), the KJ10ex4.5B IRSE (wide-angle lens), and the KJ16ex7.7B IRSE (standard lens). Canon's exclusive Digital "eDrive" is included in all three of these lenses, and is a principal difference (along with zoom speed range and a built-in 2X extender) between these models and the more economical 2/3-inch KJ20x8.5B KRS and KJ13x6B KRS lenses.

All HDgc lenses feature:

Canon's innovative technology enhancing optical performance and user benefits.

Well-Controlled MTF (Modulation Transfer Function) plus excellent contrast performance over their entire image planes, and minimized chromatic aberrations.

Compact design lightweight in direct response to the equally compact new tapeless HD camcorders.

Minimizing environmental impact Canon manufactures all of its lenses, including the HDgc models, without lead, cadmium, mercury, and other toxins to minimize the impact on the environment—a company policy.

The KJ10ex4.5B IRSE, KJ16ex7.7B IRSE and KJ21ex7.6B IRSE lenses feature:

Canon's exclusive eDrive provides nine user-definable function profiles; a choice of manual, digitally assisted, or fully programmed control; and instant "Shuttle Shot" to zoom to the longest focal length for quick check of focus and back focus. Digitally assisted shooting techniques offered by Canon's eDrive include graceful "padded" zoom start/stops so that zooms begin and end softly and without jerkiness. Canon's eDrive provides for memorized focus and zoom positions, repeatable focus with no mechanical play or gear backlash, steady and slow zoom creeps, and one-button on/off.

The KJ13x6B KRS and KJ20x8.5B KRS lenses offer unique features:



- KJ13x6B KRS**
- 13X zoom ratio
 - Wide angle of 6mm for a focal length of 6 - 78mm
 - Canon's Shuttle Shot technology
 - Dynamic zoom speed range: 1.2 seconds - 1 minute



- KJ20x8.5B KRS**
- 20X zoom ratio
 - Wide angle of 8.5mm for a focal length of 8.5 - 170mm
 - Canon's Shuttle Shot technology
 - Dynamic zoom speed range: 1.2 seconds - 1 minute

Canon's exclusive Shuttle Shot function

(available on the KJ20x8.5B KRS and wide-angle KJ13x6B KRS), an advanced servo system that facilitates zooming back and forth between any two focal length positions and brings an entirely new range of value-added creativity to hand-held acquisition systems.

An ergonomic drive unit a smaller drive unit that not only comfortably fits into the palm of the user's hand, but also improves the feeling of unity between the drive unit and your hand. These drive units, featuring a grip support and ribbed surface, are tilted at an ideal angle in order to achieve a better balance and to provide more comfort and reduce operator fatigue.

In addition to the HDgc line of cost-effective high-definition lenses, Canon's eHDxs line of lenses includes premium telephoto, wide-angle, and medium-range lenses for a wide variety of Panasonic high-end portable HD cameras. Canon's eDrive feature enables users to automate control of iris, zoom, focus, and position memory depending on user preferences.

eHDxs

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| HJ17ex7.6B | HJ18ex28B |
| HJ22ex7.6B | HJ40x10B IASD-V |
| HJ21ex7.5B | HJ40x14B IASD-V |
| HJ11ex4.7B | |