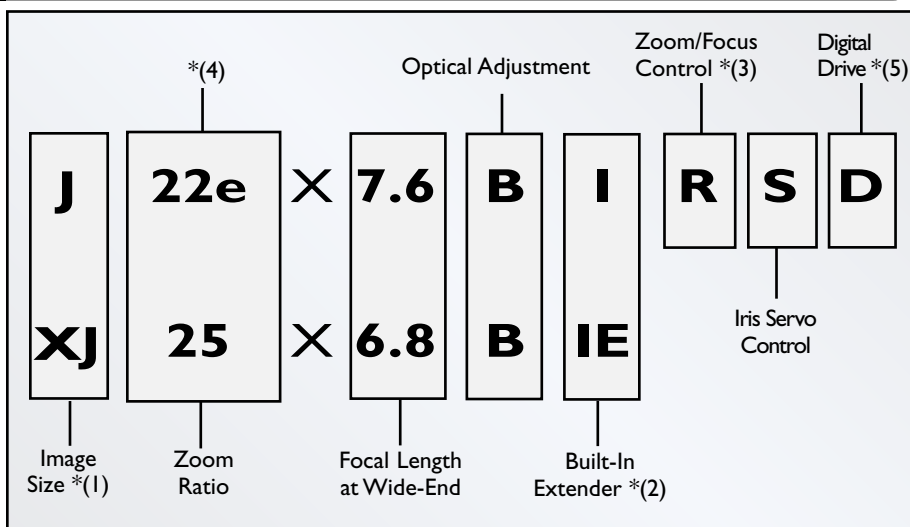


## Canon ENG/EFP Lenses and Accessories

Effective April 2004

Suggested Retail Price List

### Nomenclature of Canon Broadcast Lenses



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Image Size	H.D.T.V.		S.D.T.V.		
<sup>*(1)</sup>	Studio/Field	Portable Type	Studio/Field	Portable Type (ENG/EFP)	Portable Type (Pro-Video)
1 inch	HV UV	HV FV	PV	PV	—
2/3 inch	XJ UJ	HJ EJ FJ	J PJ	J	YJ
1/2 inch	—	—	PH	H	YH
<sup>*(2)</sup> Built-in Extender <b>IE</b> ...Built-in Extender for Studio/Field Lenses <b>I</b> ... Built-in Extender for Portable Lenses <b>K</b> ... No Extender for Portable Lenses <b>V</b> ... Built-In 0.8x Crossover Unit <b>W</b> ... Built-In 0.8x Crossover Unit and 2.0 Extender			<sup>*(3)</sup> Zoom/Focus Control <b>R</b> ...Zoom:Servo Focus:Manual (Standard ENG Drive Unit) <b>T</b> ...Zoom:Servo Focus:Servo (Remote-Control/Videoconference lens.) <b>A</b> ...Zoom:Servo Focus:Servo/Manual (ENG Drive Unit with Built-In Focus Servo Motor.)		
<sup>*(4)</sup> <b>IF</b> ... Enhanced Digital features for portable lens. (Please see page 5.) <sup>*(5)</sup> <b>D</b> ... Digital features for portable lenses. (Please see page 5.) <sup>*(5)</sup> <b>E</b> ... Latest Enhanced digital features for portable lenses. (Please see page 5.)					

NOTE: These prices are for reference only. Prices may vary according to camera and model. Specification and prices are subject to change without notice.

## Enhanced Digital Drive Now With Built-In Miniature Encoders



**NEW**



**NEW**



## Portable Zoom Lenses



Lens Model	Built-in Extender	Suggested List Price
HJ11ex4.7B IRSE	2.0X	\$30,800.00
HJ11ex4.7B IASE	2.0X	\$32,500.00
<b>NEW</b> HJ17ex7.7B IRSE	2.0X	\$20,400.00
<b>NEW</b> HJ17ex7.7B IASE	2.0X	\$22,100.00

Lens Model	Built-in Extender	Suggested List Price
HJ21ex7.5B IRSE	2.0X	\$34,200.00
HJ21ex7.5B IASE	2.0X	\$35,900.00
<b>NEW</b> HJ22ex7.6B IRSE	2.0X	\$34,200.00
<b>NEW</b> HJ22ex7.6B IASE	2.0X	\$35,900.00

## HDTV Crossover Lenses for Switchable (4:3-16:9) Cameras

Lens Model (2/3")	Built-In Extender	Suggested List Price
HJ11ex4.5B VRSE	0.8X	\$31,350.00
HJ11ex4.5B VASE	0.8X	\$33,050.00
HJ11ex4.5B WRSE	0.8X/2.0X	\$35,800.00
HJ11ex4.5B WASE	0.8X/2.0X	\$37,500.00
HJ17ex7.7B VRSE	0.8X	\$20,950.00
HJ17ex7.7B VASE	0.8X	\$22,650.00
HJ17ex7.7B WRSE	0.8X/2.0X	\$25,400.00
HJ17ex7.7B WASE	0.8X/2.0X	\$27,100.00
HJ22ex7.6B VRSE	0.8X	\$34,750.00
HJ22ex7.6B VASE	0.8X	\$36,450.00
HJ22ex7.6B WRSE	0.8X/2.0X	\$39,200.00
HJ22ex7.6B WASE	0.8X/2.0X	\$40,900.00

## Portable Telephoto Lenses



with Image Stabilizer

Lens Model	Built-in Extender	Suggested List Price
HJ40X10B IASD-V	2.0X	\$78,300.00
HJ40X14B IASD-V TELE	2.0X	\$83,300.00



HJ40X10B IASD-V



HJ40X14B IASD-V TELE

Note 1. **IRSE** type lenses are equipped with a standard "Enhanced Digital Drive" ENG Drive Unit.

Note 2. **IASE/WASE** type lenses are equipped with special "Enhanced Digital Drive" Drive Unit, which also includes a built-in Focus Servo Motor.

Note 3. **WRSE/WASE** type lenses are equipped with the Crossover System for use with switchable cameras that can switch between the 4:3 and 16:9 aspect ratios.

Note 4. **HJ40X** series standard configuration includes digital servo zoom and focus, supporter and carrying case. Analog controls available upon request.

Now With Enhanced Digital Drive

eIFXS



J11ex4.5B

eIFXS



J22ex7.8B

eIFXS



J17ex7.7B

IFXS

NEW



J35ex11B  
J35ex15B

4:3  
16:9  
CROSSOVER



Crossover for switchable  
cameras WRS/WAS (type)  
0.8x  
1x  
2x

## Standard Lenses

Lens Model (2/3")	Built-In Extender	Suggested List Price
J11ex4.5B IRSD	2.0X	\$24,200.00
J11ex4.5B IASD	2.0X	\$25,900.00
J17ex7.7B IRSD	2.0X	\$14,200.00
J17ex7.7B IASD	2.0X	\$15,900.00
J22ex7.6B IRSD	2.0X	\$24,800.00
J22ex7.6B IASD	2.0X	\$26,500.00
<b>NEW</b> J35ex11B IASD	2.0X	\$52,920.00
<b>NEW</b> J35ex15B IASD	2.0X	\$56,920.00

## Crossover Lenses for Switchable (4:3-16:9) Cameras

Lens Model (2/3")	Built-In Extender	Suggested List Price
J11ex4.5B VRSD	0.8X	\$24,750.00
J11ex4.5B VASD	0.8X	\$26,450.00
J11ex4.5B WRSD	0.8X/2.0X	\$29,200.00
J11ex4.5B WASD	0.8X/2.0X	\$30,900.00
J17ex7.7B VRSD	0.8X	\$14,750.00
J17ex7.7B VASD	0.8X	\$16,450.00
J17ex7.7B WRSD	0.8X/2.0X	\$19,200.00
J17ex7.7B WASD	0.8X/2.0X	\$20,900.00
J22ex7.6B VRSD	0.8X	\$25,350.00
J22ex7.6B VASD	0.8X	\$27,050.00
J22ex7.6B WRSD	0.8X/2.0X	\$29,800.00
J22ex7.6B WASD	0.8X/2.0X	\$31,500.00

Note 1: 35ex Series standard configuration includes "Digital", servo zoom, servo focus, supporter and carrying case.

Note 2: IRSD/WRSD type lenses are equipped with standard "Digital" ENG Drive Unit.

Note 3: IASD/WASD type lenses are equipped with special "Digital" Drive Unit, which also includes a built-in Focus Servo Motor.

Note 4: WRSD/WASD type lenses are equipped with the Crossover System for use with switchable cameras that can switch between the 4:3 and 16:9 aspect ratios.



**IF**pro  
~~SHUTTLE~~SHOT

**YJ19X9B KRS**  
**YH19X6.7 KRS**



**IF**pro  
~~SHUTTLE~~SHOT

**YJ19X9B IRS**  
**YJ19X9B VRS**  
**YH19X6.7 IRS**



**IF**pro  
~~SHUTTLE~~SHOT



**YJ12X6.5B KRSA**  
**YH12X4.8 KRSA**



**IF**pro  
~~SHUTTLE~~SHOT



**YJ12X6.5B IRSA**  
**YH12X4.8 IRSA**



**YH16X7 KRS**

**A 30% Faster Zoom And Shuttle Shot Keeps Canon Ahead.**

Canon's 19X IFpro lens YJ19x9B KRS 2/3" and YH19x6.7 KRS 1/2", (2X versions available) takes our industry standard and goes one better, with specs that are guaranteed for accuracy and performance.

The 19X is the lens chosen by most Pro-Video camera buyers who select an IF (Internally Focused) lenses. In addition, the 19X and 12X feature a 30% faster zoom motor to complement our exclusive Shuttle Shot technology and all the advantages available with a Canon IFpro lens.

Shuttle Shot technology enhances production capabilities by allowing the user to zoom back and forth instantly from any two positions, at the touch of a button. IFpro reduces chromatic aberrations thus increasing resolution, decreasing flare and allowing the shooter to get closer to the subject for enhanced production value.

Canon also offers a 12X wide angle lens for dramatic imagery and attention-getting content. The 12X can be operated with the same control accessories as the Pro-Video Standard, the 19X, and can be used with a 105mm optical filter.

Lens Model (2/3")	Lens Model (1/2")	Built-In Extender	Suggested List Price
YJ12x6.5B KRSA*	YH12x4.8 KRSA*	—	\$6,200.00
YJ12x6.5B IRSA*	YH12x4.8 IRSA*	2.0X	\$9,200.00
YJ19x9B KRS*	YH19x6.7 KRS*	—	\$4,100.00
YJ19x9B IRS*	YH19x6.7 IRS*	2.0X	\$8,400.00
YJ19x9B VRS*	—	0.8X	\$9,100.00
—	YH16x7 KRS	—	\$1,900.00

\*Includes "Shuttle Shot" feature.

Crossover Adapter/Wide Converter	Suggested List Price
W80Y-85 (for 19X and 18X only)*	\$1,600.00

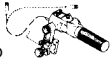
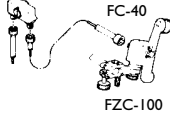
\*For use with 19X/18X and switchable 4:3/16:9 cameras.



## Digital Zoom Lens Operation Accessories

eHDxs eIFxs

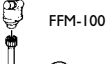

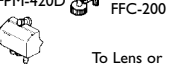


For "Digital" ENG/EFP Lenses

Model Name	Description	Model Name	Code	Lens			Suggested List Price
				J17xD/E J16xD J11xD/E J21xD	J22xD/E HJ16xD HJ11xD/E HJ21x7.5D/E	HJ21x7.8D HJ22xE HJ9xD HJ18xD	
ZSD-300D 	Digital Zoom Servo Demand	ZSD-300D	1824A123AA		●		\$2,200.00
FFM-200 	Flexible Zoom Controller	FZC-100	1824A021AA		●		\$ 660.00
	Flexible Cable 32"	FC-40	1824A010AA		●		\$ 260.00
	Flexible Dual Module	FFM-200	1824A013AA		●		\$ 970.00

## Digital Focus Lens Operation Accessories

eHDxs eIFxs

For "Digital" ENG/EFP Lenses

Model Name	Description	Model Name	Code	Lens			Suggested List Price
				J17xD/E J16xD J11xD/E J21xD	J22xD/E HJ16xD HJ11xD/E HJ21x7.5D/E	HJ21x7.8D HJ22xE HJ9xD HJ18xD	
FFM-100 	Focus Manual Controller	FFC-200	1824A014AA		●		\$ 510.00
FC-40 	Flexible Cable 32"	FC-40	1824A010AA		●		\$ 260.00
FPM-420D 	Flexible Focus Module	FFM-100	1824A015AA		●		\$ 350.00
FPD-400D 	Focus Positional Servo Demand	FPD-400D	1824A124AA		●		\$1,740.00
FPM-420D 	Focus Positional Servo Module	FPM-420D	1824A129AA		●		\$2,700.00

## Now In All e-HDxs/e-IFxs Lenses Enhanced Digital Technology And Minimized Environmental Impact

eHDxs eIFxs

NOW WITH BUILT-IN MINIATURE ENCODERS

### PERSONALIZATION

Canon's e-technology lets you program the digital tools on our portable e-IFxs and e-HDxs lenses for a wide range of situations, allowing you pre-set zoom and framing speeds, focus, movement sensitivity, and many more benefits that will enhance your production value.






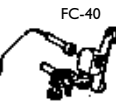
Among the many enhanced features:

- e-HDxs now with 16 Bit resolution rotary encoders for zoom, iris and focus (full-servo equipped lenses).
- Speed Preset, Shuttle Shot, Zoom Track and Focus Preset. AUX1, AUX2 and other switches can be assigned for many enhanced functions.
- Precise movement mode can be memorized for the zoom seesaw control, zoom demand control and present control.
- The drive unit can memorize 9 patterns of user-customized settings and also transmit the data between different drive units.



# Analog Zoom Lens Operation Accessories

For Analog and "Digital" ENG/EFP Lenses

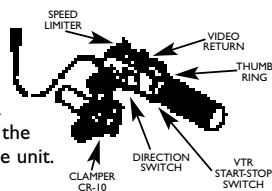
Model Name	Description	Model Name	Code	Lens						Suggested List Price	
				J20x J21x J22x H20x HJ18x HJ22x	J9x H9x J11x HJ15x H15x	J16x J17x HJ9x HJ16x HJ17x	J8X PH8X	YJ19X YH19X YJ18X YH18X	YJ12X YH12X YJ17X YH17X YJ15X PH15X		J12X PH12X YH13X YH14X YH16X
 ZSD-300	Zoom Servo Demand	*1 ZSD-300A	1824A066AA	●	●	●	●	●	●	\$1,970.00	
		*2 ZSD-300M	1824A067AA	●	●	●	●	●	●	\$1,970.00	
 ZZP-300	Zoom Servo Demand with Zoom Preset (Shot) Box	*1 ZZP-300A		●	●	●	●	●	●	\$4,500.00	
		*2 ZZP-300M		●	●	●	●	●	●	\$4,500.00	
 ZSG-200A  CR-10 ZSG-200A ZSG-200M	Zoom Servo Grip	*1 ZSG-200A	1824A068AA	●	●	●	●	●	●	\$1,030.00	
		*2 ZSG-200M	1824A069AB	●	●	●	●	●	●	\$1,030.00	
	Extension Cable	EC-80	1824A009AA	●	●	●	●	●	●	\$ 310.00	
	Clamper	CR-10	1824A007AA	●	●	●	●	●	●	\$ 310.00	
 ZGA-500 ZGA-400 ZGA-300 ZGA-200 GA-31 GA-70 ZSG-200A ZSG-200M	Zoom Servo Grip	*1 ZSG-200A	1824A068AA	●	●	●	●	●	●	\$1,030.00	
		*2 ZSG-200M	1824A069AB	●	●	●	●	●	●	\$1,030.00	
	Grip Adapter	ZGA-500	0026T526		●	11, 16, 17aX					\$ 530.00
		ZGA-400	0025T6160I	●	21aX / 22ex						\$ 530.00
		ZGA-300	1824A064AA	●	20aX						\$ 530.00
		ZGA-200	1824A017AA			●					\$ 530.00
		GA-31	1824A035AA					●			\$ 530.00
GA-70	0018T53I					●			\$ 530.00		
 FFM-200 FM-22 FM-70 FC-40 FZC-100	Flexible Zoom Controller	FZC-100	1824A021AA	●	●	●	●	●	●	\$ 660.00	
	Flexible Cable 32"	FC-40	1824A010AA	●	●	●	●	●	●	\$ 260.00	
	Flexible Dual Module	FFM-200	1824A013AA		●	●					\$ 970.00
		FM-22	1824A022AA			●		●			\$ 970.00
		FM-70	0002T07I					●			\$ 970.00

Note: Analog zoom controls will operate "Digital" Lens. The special digital functions can only be accessed from lens drive unit.

Note: \*1- Alternate type VTR switch / \*2- Momentary type VTR switch

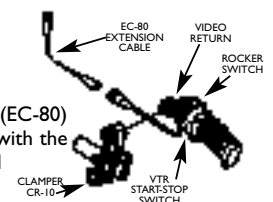
## ZSD-300 ZOOM SERVO DEMAND

The zoom servo demand resembles a "handle bar" grip. The long cable plus the clamper (CR-10) are included with the unit.



## ZSG-200 ZOOM SERVO GRIP

The zoom servo grip resembles a "pistol" grip. The cable (EC-80) to the servo unit plus the clamper (CR-10) are included with the studio conversion kit. If the zoom servo grip is purchased separately, the EC-80 and CR-10 are not included.



## Digital Drive/Analog Adapter Cables

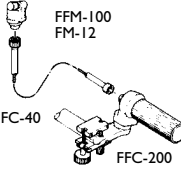

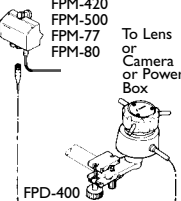
20f-12m Adapter cable	0024T789	\$ 350.00	6f-20m Adapter cable	1824A125AA	\$ 350.00
12f-20m Adapter cable	1824A126AA	\$ 350.00	20f-8m Adapter cable	1824A127AA	\$ 350.00
20f-6m Adapter cable	1824A128AA	\$ 350.00			

Note: Adapter Cable Configuration: First connector is on controller cable, second connector is on lens body.

f-is for female, m-is for male

# Analog Focus Lens Operation Accessories

For Analog and "Digital" ENG/EFP Lenses

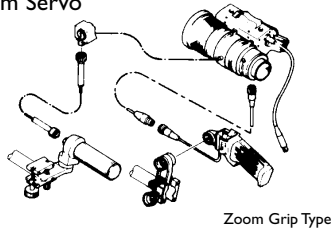
Model Name	Description	Model Name	Code	Lens							Suggested List Price
				J11x J16x J17x J20x H20x	J21x J22x HJ18x HJ22x	J15x H15x J9ax H9x	HJ9x HJ16x HJ17x	J8X PH8X	YJ18X YH18X YJ19X YH19X	YJ12X YH12X	
	Focus Manual Controller	FFC-200	1824A014AA	●	●	●	●	●	●	\$ 510.00	
	Flexible Cable 32"	FC-40	1824A010AA	●	●	●	●	●	●	\$ 260.00	
	Flexible Focus Module	FFM-100	1824A015AA	●	●					\$ 350.00	
		FM-12	1824A012AA			●	●	●		\$ 350.00	
	Focus Positional Servo Demand	FPD-400*	1824A018AA	●	●	●	●	●		\$1,570.00	
		FPM-420	1824A026AA	●						\$2,120.00	
		FPM-500	1824A027AA		●					\$2,120.00	
		FPM-77	1824A020AA					●		\$2,120.00	
		FPM-80	1824A030AA					●		\$2,120.00	

\*Note 1: FPD-400 will require a special adapter cable to operate "Digital" lenses. Please see page 6 for the 20P-6P adapter cable.

## Analog & Digital Studio Conversion Kit (Semi-Servo Kit)

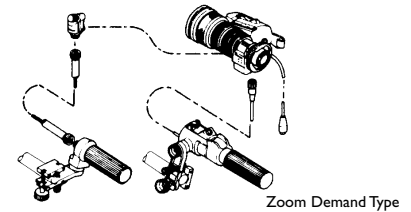
### MS-22 Focus Manual Zoom Servo

for J8X/PH8X  
YJ18X/YH18X  
YJ19X/YH19X  
YJ12X/YH12X  
YJ17X/YH17X  
YH14X  
YH16X



### MS-210(D) Focus Manual Zoom Servo (Analog or Digital)

for all other ENG/EFP lenses



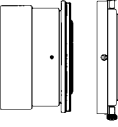
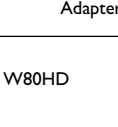
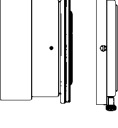
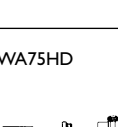
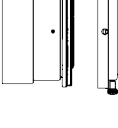

Kit Name	Model	2/3" ENG Lens	J8x	J15x	J9x	J16x	HJ16x	Suggested List Price
			YJ19x YJ18x	YJ17x YJ12x	J11x J15x J22x	J20x J21x HJ11x	HJ21x HJ17x HJ22x	
		1/2" ENG Lens	YH19x YH18x YH17x	YH12x PH15x	PH8x H9x H15x	H20x H21x	YH13X YH14X YH16X	
Economical Control Kit	MS-15M	1824A046AA					●	\$1,780.00
Studio Conversion Kit MS22 (Zoom Grip Type)	MS-22M	1824A052AA	●				●	\$2,770.00
	MS-22A		●				●	\$2,770.00
Studio Conversion Kit MS21 (Zoom Demand Type)	MS-21M	1824A051AA	●				●	\$3,090.00
	MS-21A		●				●	\$3,090.00
Studio Conversion Kit MS220 (Zoom Grip Type)	MS-220M	1824A040AA				●		\$2,770.00
	MS-220A					●		\$2,770.00
Studio Conversion Kit MS210 (Zoom Demand Type)	MS-210M Analog	1824AA048AA				●		\$3,090.00
	MS-210A Analog	1824A132AA				●		\$3,090.00
	MS-210D Digital	1824A133AA				● Digital Lenses Only		\$3,320.00

### Extension Cable

14 Ft. Zoom Servo Cable		8 or 20 pin cable for Zoom	\$ 660.00
14 Ft. Focus Servo Cable		6 or 20 pin cable for Focus	\$ 660.00

Note: Analog Studio Conversion Kits will operate "Digital" lenses. The special digital functions can only be accessed from the lens drive unit. Please specify the mount type of your camera (B3 or B4), when placing orders for accessories for Ikegami's HL-59IV59/55A/IV55.

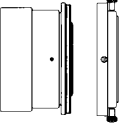
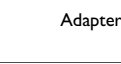
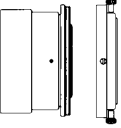
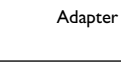
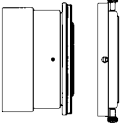
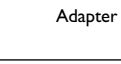
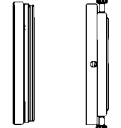

## HD Optical Accessories for ENG/EFP Lenses

Optical Accessory		Front Lens Diameter		Φ85mm	Φ98mm	Suggested List Price
		Applicable Lens		HJ16x8	HJ17x7.7	
		Code			HJ21x7.8	
Tele-side Converter	T15HD 	T15HD		●	●	\$3,740.00
	Adapter 	Adapter 85II	I824A002AA	●		\$ 370.00
		Adapter 98II	I824A004AA		●	
Wide Converter	W80HD 	W80HD		●	●	\$4,840.00
	Adapter 	Adapter 85II	I824A002AA	●		\$ 370.00
		Adapter 98II	I824A004AA			●
Wide Attachment	WA75HD 	WA-75HD		●	●	\$2,290.00
	Adapter 	Adapter 85II	I824A002AA	●		\$ 370.00
		Adapter 98II	I824A004AA			●
HD Close-Up Lens		I05CL-UP800HD-II			●	\$2,560.00

Note 1. On purchasing, please specify model name of both Body and Adapter.

Note 2. It is possible to use Body and Adapter in different combinations. But it is impossible to use combinations not shown in above chart.

## Optical Accessories for ENG/EFP Lenses

Optical Accessory		Front Lens Diameter		Φ85mm		Φ98mm		Suggested List Price
		Applicable Lens		J15x H15x J16x J17x YJ18x	YJ19x YH18x YH19x YJ17x YH17x	J20x H20x J21x J22x H21x		
		Code						
Tele-side Converter	T15-II 	T15-II	I823A005AA	●		●		\$2,300.00
	Adapter 	Adapter 85II	I824A002AA	●				\$ 370.00
		Adapter 98II	I824A004AA			●		\$ 370.00
Wide Converter		W83-86	I823A092AA	<i>For use with J9x/H9x Lenses. No Adapter required.</i>				\$3,500.00
Wide Converter	W80-III B 	W80-III B	I823A006AA	●		●		\$3,400.00
	Adapter 	Adapter 85II	I824A002AA	●				\$ 370.00
		Adapter 98II	I824A004AA			●		\$ 370.00
Wide Attachment	WA75-II 	WA-75II	I823A008AA	●		●		\$1,170.00
	Adapter 	Adapter 85II	I824A002AA	●				\$ 370.00
		Adapter 98II	I824A004AA			●		\$ 370.00
Fish-Eye Attachment	FEA-III B 	FEA-III B	I823A011AA	●		●		\$2,200.00
	Adapter 	Adapter 85II	I824A002AA	●				\$ 370.00
		Adapter 98II	I824A004AA			●		\$ 370.00

Note 1. On purchasing, please specify model name of both Body and Adapter.

Note 2. It is possible to use Body and Adapter in different combinations. But it is impossible to use combinations not shown in above chart.

Note 3. Focus servo operation is impossible when using Tele-side Converter, Wide Converter, Wide Attachment, and Fish-Eye Attachment for non-IF Internal Focus Lenses.

## Lens To Camera Adapter Cables

12 pin to 6 pin Cable IKE (B3)	Ikegami B3 step down cable from 12 pin to 6 pin	\$ 250.00
6 pin to 12 pin Cable IKE (B3)	Ikegami B3 step up cable from 6 pin to 12 pin	\$ 250.00
12 pin to 6 pin Cable NHK (B4)	Step down cable from 12 pin to 6 pin for NHK Type B4 lenses	\$ 250.00
6 pin to 12 pin Cable NHK (B4)	Step up cable from 6 pin to 12 pin for NHK Type B4 lenses	\$ 250.00

## Filters and Close-up Lenses for ENG/EFP Lenses

Optical Accessory	Model Name	Code	Lens							Suggested List Price
			J21x J22x H21x J20x H20x	HJ9x HJ16x HJ18x HJ21x7.8 HJ21x7.8	J9x H9x J8x PH8x YJ12x	J17x J16x J15x H15x YJ19x	YH19x YJ18x YH18x HJ16x YH16x	YJ17x YH17x YH14x YH13x	J11x HJ11x HJ21x7.5 HJ40x	
	Filter Size		94mmPI/ 105mm PI	105mm PI		82mm PO.75		127mm PO.75		
UV	UV/94 PI	I823A021AA	(●) *1						\$ 430.00	
	UV/82 P0.75	I823A030AA				●			\$ 250.00	
	UV/105 PI	I823A022AA	(●) *1	●					\$ 430.00	
	UV/127 P0.75	I823A083AA					●		\$ 660.00	
Cross	CRS/82 P0.75	I823A032AA				●			\$ 250.00	
	CRS/105 PI	I823A024AA	●	●					\$ 560.00	
Polarized Light	PL/82 P0.75	I823A038AA				●			\$ 670.00	
	PL/105 PI	I823A028AA	●	●					\$ 1,090.00	
Close-Up Lens	82CL-UP800H	I823A041AA				●			\$ 740.00	
	82CL-UP1300H	I823A042AA				●			\$ 740.00	
	105CL-UP900H	I823A043AA	●	●					\$ 2,440.00	
HD Close-Up Lens	105CL-UP800HD-II			●					\$ 2,560.00	
Extender	2.0XB3 Extender	I823A001AA	(●) *2	(●) *2		(●) *2			\$ 1,420.00	
	2.0XB4 Extender	I823A002AA	(●) *2	(●) *2		(●) *2			\$ 1,420.00	
Others	B4 to PH Converter	I823A003AA							\$ 1,240.00	
	B4 to C-Mount Adapter	0031T626							\$ 2,460.00	

\*1: UV/94 PI is screwed into the front of the lens. UV/105 PI is screwed into the hood unit.

\*2: Not applicable to H/PH/YH 1/2" Type lenses.

Note: J9aX5.2B, and J11aX4.5B do not accept CL-up lenses.

## Hood Units

Applicable Lens	Code	List Price
J17x, J16x, J15x, HJ16x, HJ17x	0025T61803	\$ 380.00
J21x, J22x, H21x, J20x, HJ21x7.8, HJ22x	0025T07603	\$ 440.00
33x/35x series	SPB-B2910-6	\$ 820.00
HJ21X7.5, HJ40		\$ 850.00

NOTE1: Hood units for aX and eX lenses are identical.

Applicable Lens	Code	List Price
J9aX, H9aX, HJ9aX, YJ12X, YH12X	002IT435	\$ 530.00
YJ19X, YH19X, YJ18X, YH18X	I824A038AA	\$ 270.00
J11aX, HJ11X	0025T61703	\$ 580.00
HJ18X		\$ 530.00

NOTE2: Hood units for other lenses are also available as spare parts.

## Accessories for HJ40x, J/PH33ax and J35ex Lenses

Clear filter 125mm (J/PH33ax/35ex)	Front Protection Filter	BGO-5802-000	\$ 880.00
Clear filter 127mm (HJ40x)	Front Protection Filter	I823A083AA	\$ 660.00
FFM-300	Single focus outlet	BG2-2933-000	\$ 1030.00
FFM-400	Dual zoom & focus outlet	SPB-B2334-7	\$2,260.00

# HJ<sub>XS</sub> and IF<sub>XS</sub> Remote Control Lens

## Remote Control Lens Series

The Canon Remote Control Series offers a wide variety of lenses and accessories that have been designed for various applications such as broadcasting, teleconference, distance learning and other remote control purposes. The lenses provide quiet and fast servo control of Zoom, Focus and Iris.

### HDTV/SDTV Lens Series



HJ11x4.7B ITS



HJ17x7.7B ITS



HJ22x7.6B ITS



### HDTV/SDTV Series

Lens Model (2/3")	Built-In Extender	Suggested List Price
HJ11ex4.7B ITS	2.0X	\$30,800.00
HJ17ex7.7B ITS	2.0X	\$20,400.00
HJ22ex7.6B ITS	2.0X	\$34,200.00

### SDTV Lens Series



HJ11x4.5B ITS



HJ17x7.7B ITS



HJ22x7.6B ITS



### SDTV Series

Lens Model (2/3")	Built-In Extender	Suggested List Price
J11ex4.5B ITS	2.0X	\$24,200.00
J17ex7.7B ITS	2.0X	\$14,200.00
J22ex7.6B ITS	2.0X	\$24,800.00

#### External Extender Control Unit

A motorized unit to control the extender remotely is available as an option.  
\*Without the unit, it is possible to switch the extender manually.

#### Close-up Lens

(not available for HJ11ex/J11ex)  
Four types (82CL-UP800H / 82CL-UP1300H / 105CL-UP900H / 105CL-UP800HD) are available.

#### Remote Controller

Three types (TCR-101F, TCR-201F, TCR-301F) are available.  
\*The controllers are also applicable to remote control pro-video lenses.

#### Connecting Cable

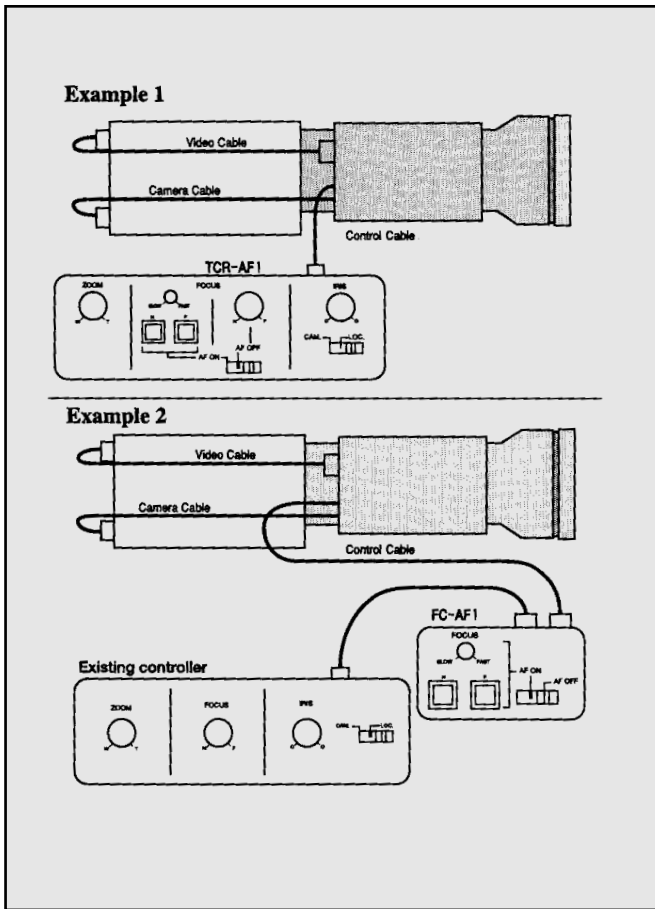
5m, 10m, 20m, 50m and 100m cables are available.  
Maximum cable length is 150m by connection of these cables.

Note 1. Please see page 12 for Remote Controllers and Connecting Cables.

Note 2. Please see page 10 for Close-up Lens Information.

Note 3. Remote control 2.0X motorized extender is available as an option for all of the above mentioned lenses. Please contact a Canon sales office for information.

# Auto Focus Remote Control Lens

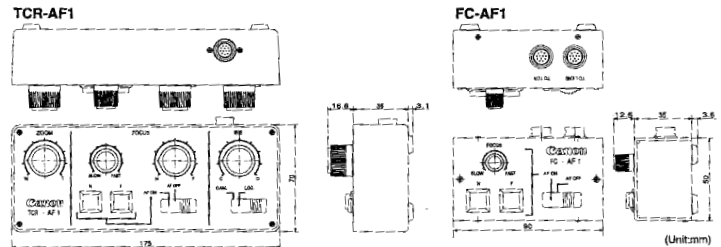


Canon's advanced Auto Focusing System is now built into their YH16x7 KTF-AF Remote Control Lens, signaling an important first in lenses typically used for security, surveillance, traffic monitoring, border control, education, web applications, and more.

The advanced self-contained Auto Focus System technology provides AF control completely within the lens, independent of the camera, making it easier than ever to capture high quality images in standard camera applications, as well as with robotic pan and tilt systems.

The self-contained Auto Focus System in the YH16X7 KTF-AF also allows the lens to be incorporated into any kind of existing system, simply by inputting a video signal from the camera to the lens.

Additional features include: Auto-Adjustment of Back Focus, High Speed Focus, Low Noise and Optical Performance maintained between the Wide and Tele end.



## TCR-AF1

When constructing a new system with the YH16x7 KTS-AF, the TCR-AF1 controls ON/OFF of the AF function, the Follow Focus Function\* and the remote control of Zoom, Iris and Focus.

## FC-AF1

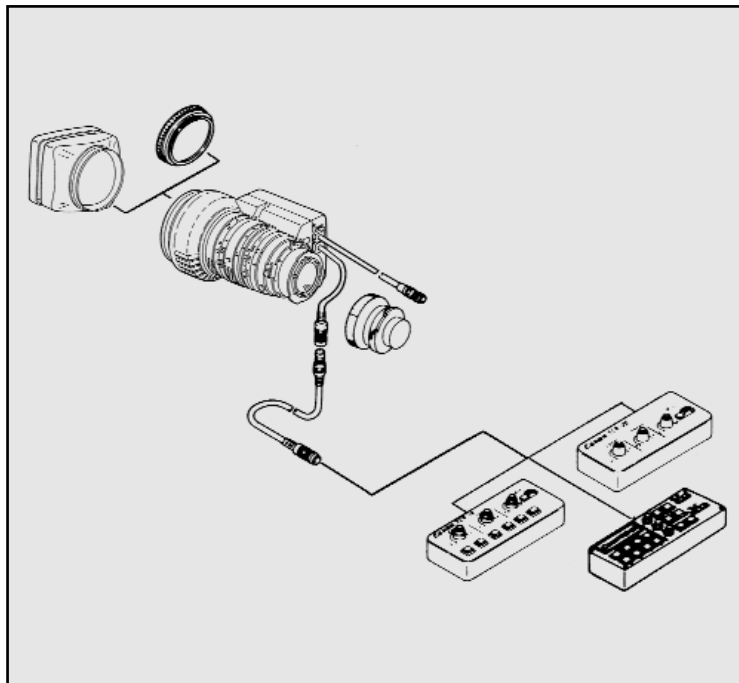
When installing the YH16x7 KTS-AF as part of an existing system, the FC-AF1 controls ON/OFF of the AF function, and the Follow Focus Function.\* The control of Focus, Zoom and Iris is handled by the existing controller.

\*Follow Focus Function makes it easy to re-direct the focusing position to an area nearer or farther away.

## Lenses and Accessories

Lens Model (1/2")	Suggested List Price
YH16x7 KTS-AF	\$4,400.00
<b>CONTROLLERS</b>	
TCR-AF1	\$1,660.00
FC-AF1	\$1,240.00
<b>CLOSE-UP LENS</b>	
82CL-UP800H	\$740.00
82CL-UP1300H	\$740.00
<b>CABLES</b>	
TCC-005M	\$440.00
TCC-010M	\$580.00
TCC-020M	\$960.00
TCC-050M	\$2,020.00
Connector Set	\$180.00

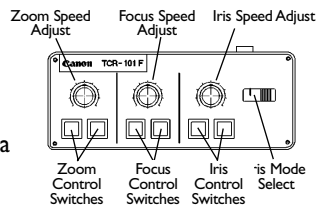
## Standard Remote Control Lenses



### Controllers

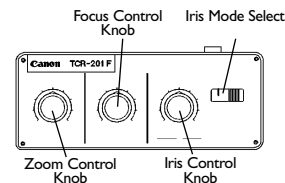
#### TCR-101F

The TCR-101F is a basic controller that provides push-button control of zoom, focus, and iris. Each of these functions have a speed control. There also is a switch for remote or auto iris.



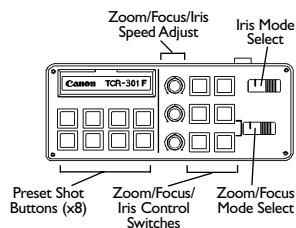
#### TCR-201F

The TCR-201F provides more control of zoom, focus, and iris through the use of positional servos. There also is a switch for remote or auto iris.



#### TCR-301F

The TCR-301F can preset zooming and focusing operations for up to eight shots. Zooming and focusing can be made by pressing the ZOOM/ FOCUS/ PRESET buttons suited for your application.



## Lenses and Accessories

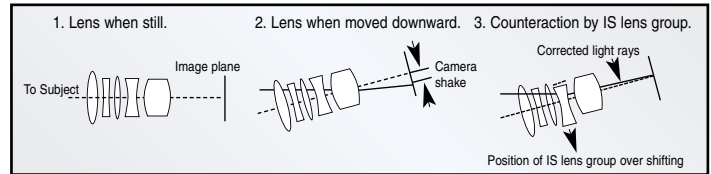
Lens Model 2/3"	Lens Model (1/2")	Suggested List Price
YJ19x9B ITS		\$10,500.00
YJ19x9B KTS	YH19x6.7 KTS	\$5,100.00
YJ12x6.5B KTS	YH12x4.8 KTS	\$6,900.00
—	YH16x7 KTS	\$2,900.00
<b>CONTROLLERS</b>		
	TCR-101F	\$1,120.00
	TCR-201F	\$1,360.00
	TCR-301F	\$1,940.00
<b>CLOSE-UP LENS</b>		
	82CL-UP800H	\$740.00
	82CL-UP1300H	\$740.00
<b>CABLES</b>		
	TCC-005M	\$440.00
	TCC-010M	\$580.00
	TCC-020M	\$960.00
	TCC-050M	\$2,020.00
	Connector Set	\$180.00

# Optical Image Stabilizer Lenses and Adapter

## How The Optical Image Stabilizer (Shift-IS) Works.

When the lens moves, the light rays from the subject are bent relative to the optical axis, resulting in an unsteady image because the light rays are deflected. By shifting the IS lens group on a plane perpendicular to the optical axis to counter the degree of image shake, the light rays reaching the image plane can be steadied. Since image shake occurs in both horizontal and vertical directions, two shake-detecting sensors for yaw and pitch, detect the angle and speed of movement and send this information to a high-speed 32-bit microcomputer, which converts the information into drive signals for the IS lens group. Then the actuator moves the IS lens group horizontally and vertically thus counteracting the image shake and maintaining the stable picture. The Shift-IS

component is located within the lens groups and is most effective for lower frequency movements caused by platform vibration or wind effect without increasing the overall size and weight of the master lens.



## IS-20B II Vari-angle Prism Optical Image Stabilizer Adapter.

Canon's IS-20B II Image Stabilizer Adapter is a "universal" adapter that can be used with most IF+, IFxs lenses and HDxs\* lenses. Popular with videographers who enjoy broadcast-quality, shake-free shooting from helicopters, boats, and cars, the IS-20B II is also being used in weatherproof housings (mounted to structures subject to high winds, swaying or vibration), as part of WeatherCam or traffic monitoring systems.

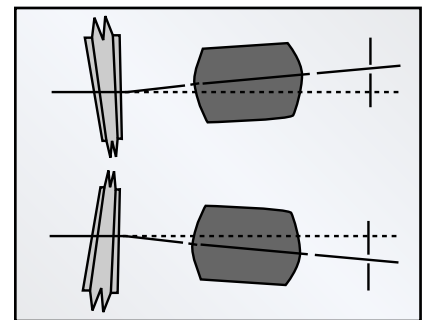


The IS-20B II, which incorporates Canon's Vari-angle Prism technology, adapts to the 17x, 16x, 15x, 14x, J22x, 21x, 20x, 33x, HJ16x\*, HJ17x\*, HJ21x7.8\* and HJ22x\* series lenses without compromising the original specs of the lens. The IS-20B II attaches to the front of the lens and weighs only 3.5 lbs., so it's ideal even in tight quarters, unsuitable to larger, cumbersome, more expensive stabilization system.

## The Principle Of VAP Image Stabilization

Normally light rays from a subject pass through the object lens to the image plane. However, shaking of the lens caused by vibration, hand shaking for example, would cause the light rays to move across the image plane, causing the phenomenon known as image shaking. When the Vari-angle Prism is placed between the subject and the optical system, the angle of the prism can be changed according to the angle of vibration of the axis of light in the lens. This controls the angle of refraction of light rays so that the subject remains centered on the image plane—free from the shaking effect.

### Vari-angle Prism.



## IS-20B II\*

Specifications	Applicable Lenses
Style	Front mount adapter
Applicable Lenses	J14x/H14x      J22x7.6 J15x/H15x      J33x/H33x/J35x** J16x              HJ16x* J17x              HJ17x* J20x/H20x      HJ21x7.8* J21x/H21x      HJ22x*

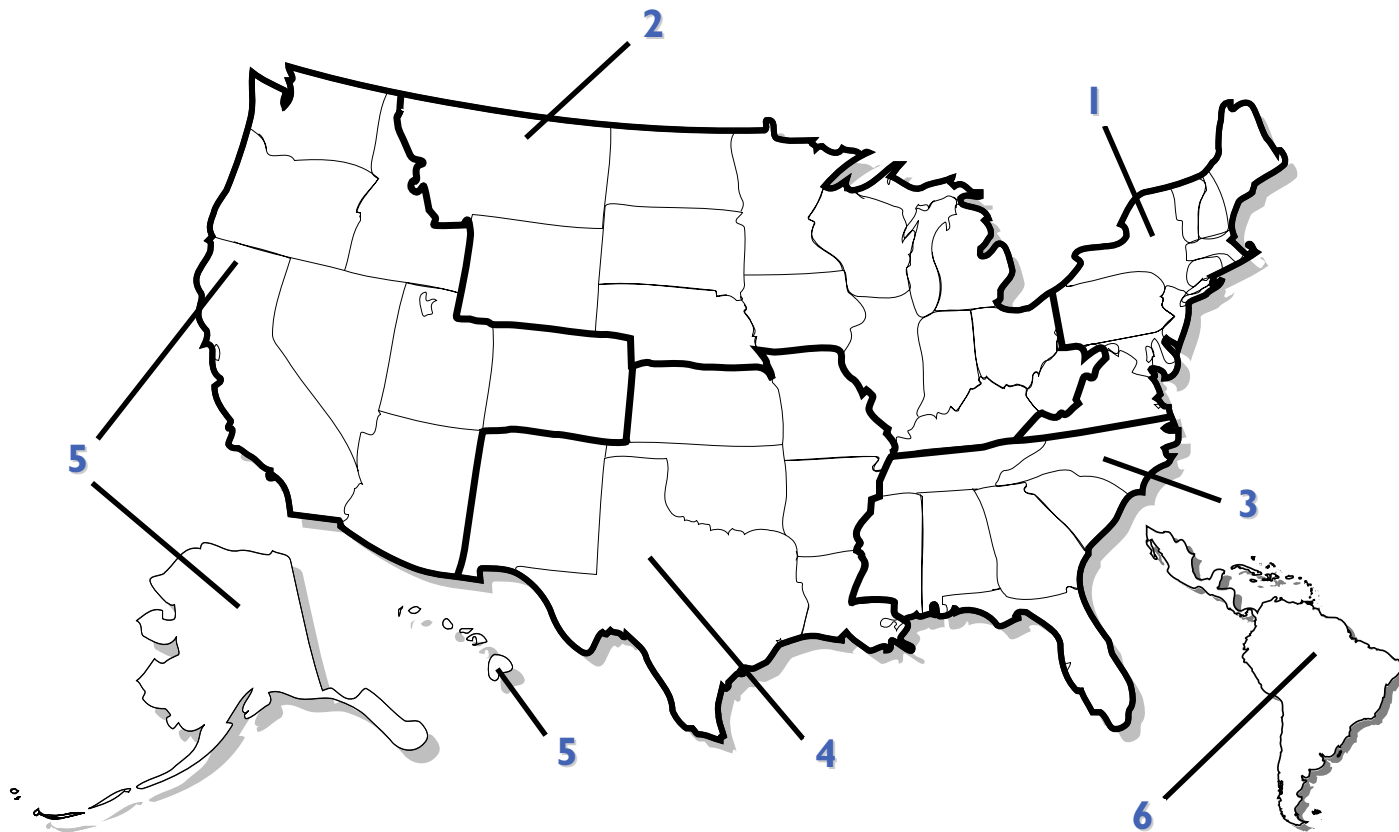
## IS-20B II\* System

Applicable Lens	Image Stabilization Adapter	Adapter Ring	Supporter	Suggested List Price
14x	IS-20B II	ADR-85	SUP-14B	\$12,850.00
17x, 17x, 16x	IS-20B II	ADR-85B	SUP-16B	\$12,850.00
15x	IS-20B II	ADR-85	SUP-15B	\$12,850.00
20x/21x/J22x/HJ17x/HJ22x	IS-20B II	not necessary	SUP-20B/SUP-21B	\$12,750.00
33x/35x series	IS-20B II	ADR-130	SUP-33B/SUP-200	\$14,850.00

\* For use on HDxs lenses, please consult your Canon Regional Sales Office.

\*\*J33aX/H33aX/J35ex will have limited use at wider angles.

# Canon's Regional Sales Office Guide



Key	Region	Office	Sales Contact
1	Headquarters	New Jersey	Gordon Tubbs
	East	New Jersey	Rich Eilers / John Rose / Moira Culhane
2	Midwest	Chicago	Lou Bobroff
3	Southeast	Atlanta	Mack McCrary / Jim Dobbins
4	Southwest	Dallas	Mark Parks
5	West	Los Angeles	Tom Bender / Joe Patton / Stephanie Franz
6	Latin America	New Jersey/Miami	Adriano Bedoya

<p><b>Canon USA, Inc.</b>  <b>New Jersey</b>                      Broadcast and Communications                      Division (Headquarters)                      400 Sylvan Avenue                      Englewood Cliffs, NJ 07632                      (800) 321-HDTV                      (201) 816-2900                      Fax: (201) 816-2909</p> <p><b>Latin America</b>                      (954) 349-6975                      Fax: (201) 816-2909</p>	<p><b>Chicago</b>                      100 Park Blvd.                      Itasca, IL 60143                      (630) 250-6231                      Fax: (630) 250-0399</p> <p><b>Dallas</b>                      3200 Regent Blvd.                      Irving, TX 75063                      (972) 409-8871                      Fax: (972) 409-8869</p>	<p><b>Atlanta</b>                      5625 Oakbrook Pkwy.                      Norcross, GA 30093                      (770) 849-7895                      Fax: (770) 849-7888</p> <p><b>Los Angeles</b>                      15955 Alton Parkway                      Irvine, CA 92618                      (949) 753-4330                      Fax: (949) 753-4337</p>
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Prices and specifications subject to change without notice. We cannot be responsible for typographical errors.

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