

Canon

DIGISUPER 62

PJ62×9B IE 9-560mm 1:1.5

DIGISUPER 62 TELE

PJ62×13.5B IE 13.5-840mm 1:2.2



Advanced field lenses offering state of the art technology with unsurpassed image performance, unique digital features and affordability for the transition to DTV



DIGISUPER 62

PJ62×9B IE 9-560mm 1:1.5

DIGISUPER 62 TELE

PJ62×13.5B IE 13.5-840mm 1:2.2



Canon proudly introduces the highly anticipated models DIGISUPER 62 & DIGISUPER 62 Tele. The new series is the successor to the SUPER 55 & SUPER 55 Tele which were extremely popular for use in sports entertainment and surveillance systems since 1989. The advanced features of the unique second generation Digital Servo System have been incorporated into the DIGISUPER 62 & DIGISUPER 62 Tele and thus expanding your video applications and fulfilling your imagination.

The superior optical performance

Canon sets the world's new standard in field lenses for SDTV by introducing the DIGISUPER 62 / DIGISUPER 62 Tele. The DIGISUPER 62 achieves a telephoto of 560mm, exceeding that of its predecessor, the SUPER 55 (500mm), and a maximum relative aperture of 1:1.5. Also, the size and weight of the lenses have been maintained as small and as light as possible. As a result, it can be used in a variety of applications, including that of field sports, news, and surveillance systems.

Latest Generation Digital Servo System

A remarkable feature of the DIGISUPER 62 / DIGISUPER 62 Tele is the "Digital servo system". Digital control technology has been improved by having a more precise control of lens groups, a personalized lens control and the ability to interface with other digital devices.

Digital technology has experienced an evolution therefore today Canon offers the most advanced DIGISUPER lens series with the newly developed zoom/focus demands.

Improvement in the Zoom & Focus speed

Due to the digital servo system, the zoom & focus speed is dramatically improved.

Zoom speed : 0.6sec.

Focus speed : 0.8sec

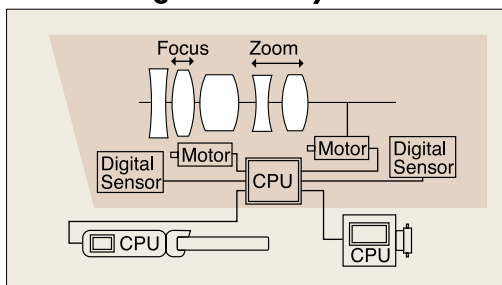
Ecological Design

It is Canon's policy to not pollute the earth and through research, we are quickly reaching the goal. The DIGISUPER 62 / DIGISUPER 62 Tele series has avoided using any materials or substances that could pollute the environment. Optical parts, featuring lead free glass are designed to be completely non-polluting and the mechanical parts are virtually free of all harmful products to the earth.

Crossover Compatibility

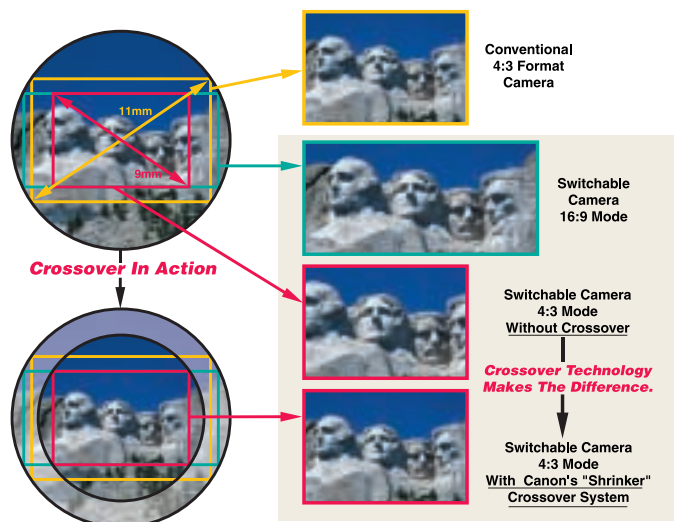
Available optionally is the dual aspect ratio switching system, "CROSSOVER", for switchable 16:9/4:3 cameras.

Digital Servo System



CAFS

The zooming effect of focus is the phenomenon where the picture size (angle of view) changes when focusing. However, a CPU calculates and controls the zoom when focusing in order to counteract this phenomenon. Thus the DIGISUPER series has ZERO zooming effect.



The diagram shows how Canon's exclusive Crossover Technology uses a 0.8X "Shrinker" to restore the loss of diameter and return the 4:3 image of a Switchable Camera to the same as a Standard Camera.

WIDE ANGLE OF 9 mm WITH REDUCED DISTORTION

COUNTERMEASURES AGAINST "GHOSTING" AND "FLARES"

- New coatings and anti-reflection paint achieve the elimination of "ghosting" and "flares".

CROSSOVER COMPATIBILITY (Optional)

- For use with 16:9/4:3 switchable cameras.

4 - POSITION TURRET

- (built in extender, master lens, crossover unit <OPTIONAL>).
- Micro Computer Controlled Turret.

VERSATILE ZOOM/FOCUS CONTROLLERS

(See figure on the next page)

- New ergonomic design.
- Countermeasures against dust, rain, and radio interference.



"CAFS"

-Constant Angle Focusing System-

- When focus is operated, the angle of view is maintained by synchronizing zoom movement.

ZOOM RATIO:62X

NEW GENERATION DIGITAL SERVO SYSTEM

SERVO SYSTEM MATCHING ROBOTIC AND VIRTUAL REQUIREMENTS

10 BIT IRIS COMPATIBILITY

- High resolution iris control.

WIDE DYNAMIC RANGE OF ZOOM AND FOCUS SERVO SPEED

- From ultra slow to high speed. Max. speed: Zoom 0.6 sec, Focus 0.8sec.

COUNTERMEASURES AGAINST RADIO FREQUENCY NOISE(INTERFERENCE)

SPECIFICATIONS

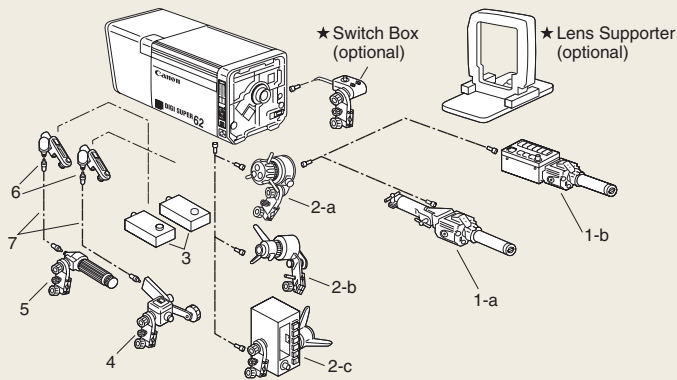
DIGISUPER 62

	NORMAL4:3		16:9		SWITCHABLE 4:3		
	1.0X	2.0X	1.0X	2.0X	1.0X	1.2X	2.4X
Built-in Extender	1.0X	2.0X	1.0X	2.0X	1.0X	1.2X	2.4X
Zoom Ratio	62X						
Range of Focal Length	9-560mm	18-1120mm	9-560mm	18-1120mm	7.4-460mm	9-560mm	18-1120mm
Maximum Relative Aperture	1:1.5 at 9-271mm 1:3.1 at 560mm	1:3 at 18-542mm 1:6.2 at 1120mm	1:1.5 at 9-271mm 1:3.1 at 560mm	1:3 at 18-542mm 1:6.2 at 1120mm	1:1.5 at 7.4-271mm 1:2.55 at 460mm	1:1.5 at 9-271mm 1:3.1 at 560mm	1:3 at 18-542mm 1:6.2 at 1120mm
Angular Field of View	52.1°x40.3° 0.90°x0.68°	27.5°x20.8° 0.45°x0.34°	56.1°x33.4° 0.98°x0.55°	29.9°x17.1° 0.49°x0.28°	52.1°x40.3° 0.90°x0.68°	43.6°x33.4° 0.74°x0.55°	22.6°x17.1° 0.37°x0.28°
Minimum object Distance (M.O.D)	2.4m						
Object Dimensions at M.O.D	204.3x153.2cm at 9mm 3.3x2.5cm at 560mm	102.2x76.6cm at 18mm 1.7x1.3cm at 1120mm	222.3x125.0cm at 9mm 3.6x2cm at 560mm	111.2x62.5cm at 18mm 1.8x1cm at 1120mm	204.3x153.2cm at 7.4mm 3.3x2.5cm at 460mm	166.7x125cm at 9mm 2.7x2cm at 560mm	83.3x62.5cm at 18mm 1.3x1cm at 1120mm
Approx. Size	W x H x L = 250.6 x 255.5 x 547.8 mm						
Approx. Mass	20.7 kg(45.6lbs)						

DIGISUPER 62 TELE

	NORMAL4:3		16:9		SWITCHABLE 4:3		
	1.0X	2.0X	1.0X	2.0X	1.0X	1.2X	2.4X
Built-in Extender	1.0X	2.0X	1.0X	2.0X	1.0X	1.2X	2.4X
Zoom Ratio	62X						
Range of Focal Length	13.5-840mm	27-1680mm	13.5-840mm	27-1680mm	11.1-690mm	13.5-840mm	27-1680mm
Maximum Relative Aperture	1:2.2 at 13.5-411mm 1:4.5 at 840mm	1:4.4 at 27-822mm 1:9 at 1680mm	1:2.2 at 13.5-411mm 1:4.5 at 840mm	1:4.4 at 27.0-822mm 1:9 at 1680mm	1:2.2 at 11.1-411mm 1:3.7 at 690mm	1:2.2 at 13.5-411mm 1:4.5 at 840mm	1:4.4 at 27.0-822mm 1:9.0 at 1680mm
Angular Field of View	36.1°x27.5° 0.60°x0.45°	18.5°x13.9° 0.30°x0.23°	39.1°x22.6° 0.65°x0.37°	20.2°x11.4° 0.33°x0.18°	36.1°x27.5° 0.60°x0.45°	29.9°x22.6° 0.49°x0.37°	15.2°x11.4° 0.25°x0.18°
Minimum object Distance (M.O.D)	2.4m						
Object Dimensions at M.O.D	144.0x108.0cm at 13.5mm 2.3x1.7cm at 840mm	72.0x54cm at 27.0mm 1.2x0.9cm at 1680mm	157x88.3cm at 13.5mm 2.5x1.4cm at 840mm	78.5x44.2cm at 27mm 1.3x0.7cm at 1680mm	144x108cm at 11.1mm 2.3x1.7cm at 690mm	11.7x88.3cm at 13.5mm 1.9x1.4cm at 840mm	59.0x44.2cm at 27mm 1.0x0.7cm at 1680mm
Approx. Size	W x H x L = 250.6 x 255.5 x 574.7 mm						
Approx. Mass	21.3 kg(46.9lbs)						

RECOMMENDED LENS SYSTEM



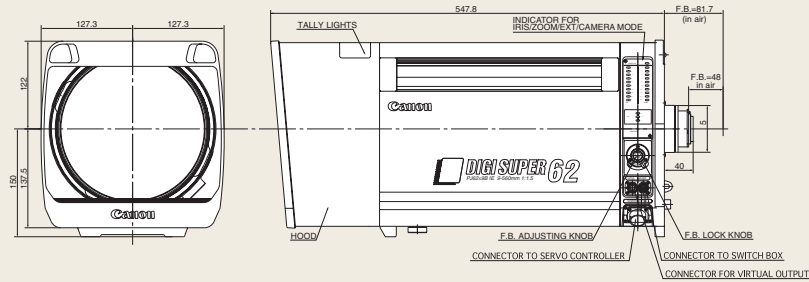
Compatibility of Accessories for DIGISUPER 62 & DIGISUPER 62 TELE

No.	DESCRIPTION	
1-a	Digital Zoom Demand	ZDJ-P01
1-b	Digital Zoom Demand W/Pre-set Box	ZPJ-D02
2-a	Digital Focus Demand	FDJ-P01
2-b	Digital Focus Demand Propeller Type	FDJ-D12
2-c	Digital Focus Demand W/Pre-set-Box	FPJ-D12
3	Digital Servo Module	SMJ-E01
4	Flexible Zoom Controller	FZP-T61
5	Flexible Focus Controller	FFP-T61
6	Flexible Module	FMJ-702
7	Flexible Cable 30"	—

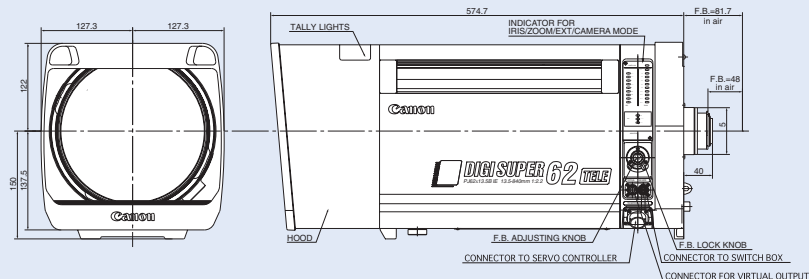
In addition to the above listed controllers, our current Digital Servo Demands (ZDJ-D02/FDJ-D02/SMJ-D02) would also perform perfectly, as well.

DIMENSIONS

DIGISUPER 62



DIGISUPER 62 TELE



North & South America

Canon U.S.A., Inc.
Broadcast and Communications Div. (Headquarters)
65 Challenger Road, Ridgefield Park, NJ07660
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/

Specifications subject to change without notice