

Canon

DIGISUPER 80

XJ80x8.8B 8.8-710mm 1:1.7



80x Third Generation Premium Field Lens with
Superb Quality and Advanced Image Stabilizer



INNOVATION

In TV Optics Since 1958

Toward 100 years anniversary



DIGISUPER 80



XJ80x8.8B 8.8-710mm 1:1.7

The unparalleled quality offered by the DIGISUPER Series by Canon has made it a permanent fixture at sporting events around the world and a heavy favorite of professional camera operators.

As one of Canon's leading lens series for broadcast use, the DIGISUPER line has introduced numerous technological innovations while capturing memorable scenes with the best possible quality, so that they may be enjoyed by future generations.

Amid the rapid growth in high-definition program production in recent years, Canon has maintained a strong relationship with content producers, to ensure that our products continue to satisfy the needs of such a dynamic industry. A common refrain has been to make field lenses wider and with higher magnification to convey the intensity and dynamism of the scene at hand, as well as to make our image stabilization feature more high-performance in order to film elegant video footage free of blurring.

Our answer to these needs is the new XJ80x8.8B. This next-generation Premium Field lens successfully offers both enhanced width and higher magnification by bringing together the very best of the technology Canon has developed over the last half-century, and also incorporates a more advanced version of Canon's reputed image stabilization feature as a standard function.

Main Features

Simultaneously offers a maximum wide angle of 8.8mm and a high magnification of 80x for wider and longer-distance shooting.

The XJ80x8.8B is capable of a maximum wide angle of 8.8mm (57.2° perpendicular angle of view), which is approximately 5% wider than previous long-zoom lenses. This enables the lens to pull back and fully capture the scene even in limited space, and also capture images that exhibit a stunning degree of intensity.

With high magnification boasting a zoom factor of 80x, the XJ80x8.8B allows any and all scenes, from a panoramic view of a stadium to the detailed expressions on players, to be taken with a single lens.

Incorporates an advanced image stabilizer, a formidable ally of cameramen everywhere for mitigating vibration of all kinds, as a standard function.

The image stabilizer feature by Canon has been faithfully used over the years at many of the world's highest-profile sporting events, and is now considered a must when shooting sports. With the XJ80x8.8B, a more advanced version of Canon's image stabilizer has been incorporated as a standard feature.

With a new sensor and sped-up control circuit, this latest version of the image stabilizer significantly curbs vibration, particularly in the high-frequency range. By successfully suppressing all kinds of vibration, such as that generated by wind and excited fans in the stands, the XJ80x8.8B's image stabilizer allows the capture of stable, clear video even at super-telephoto range. It also makes camerawork a comfortable endeavor by largely mitigating the "aftershock" phenomenon that occurs when an image moves after the camera operator stops panning.



Angle Image of XJ80x (f=8.8mm)
Angle Image of XJ75x (f=9.3mm)



f=8.8mm



80x

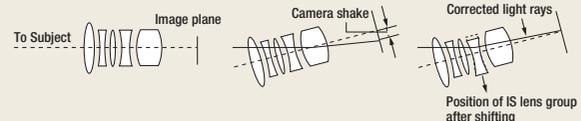
f=710mm



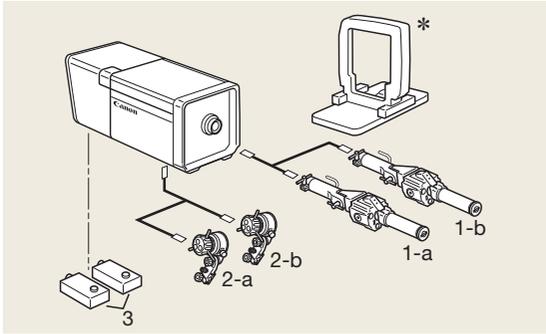
1. Lens when still.

2. Lens when jerked downward.

3. Counteraction by IS lens group.



RECOMMENDED LENS SYSTEM

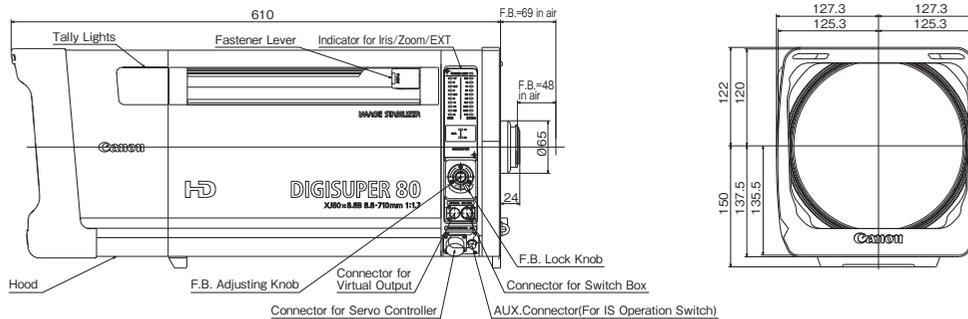


Compatibility of Accessories for DIGISUPER 80

No.	DESCRIPTION	MODEL NAME
1-a	Digital Zoom Demand	ZDJ-P01
1-b	Digital Zoom Demand	ZDJ-D02
2-a	Digital Focus Demand	FDJ-P01
2-b	Digital Focus Demand	FDJ-D02
3	Digital Servo Module	SMJ-E01
—	Protection Filter	PFJ-951
—	IS Switch	SBJ-IS2

* Lens Supporter is necessary for portable camera mounting.

DIMENSIONS



SPECIFICATIONS

DIGISUPER 80	16:9		4:3	
Built-in Extender	1.0x	2.0x	1.0x	2.0x
Zoom Ratio	80x			
Range of Focal Length	8.8~710mm	17.6~1420mm	8.8~710mm	17.6~1420mm
Maximum Relative Aperture	1:1.7 at 8.8~340mm 1:3.55 at 710mm	1:3.4 at 17.6~680mm 1:7.1 at 1420mm	1:1.7 at 8.8~340mm 1:3.55 at 710mm	1:3.4 at 17.6~680mm 1:7.1 at 1420mm
Angular Field of View	57.2°×34.1° at 8.8mm 0.77°×0.44° at 710mm	30.5°×17.4° at 17.6mm 0.39°×0.22° at 1420mm	53.1°×41.1° at 8.8mm 0.71°×0.53° at 710mm	28.1°×21.2° at 17.6mm 0.36°×0.27° at 1420mm
Minimum Object Distance (M.O.D.)	3.0m from front lens vertex			
Object Dimensions at M.O.D.	290.0×163.1cm at 8.8mm 3.7×2.1cm at 710mm	145.0×81.6cm at 17.6mm 1.9×1.1cm at 1420mm	266.8×200.1cm at 8.8mm 3.4×2.6cm at 710mm	133.4×100.1cm at 17.6mm 1.7×1.3cm at 1420mm
Approx. Size	W×H×L=250.6×255.5×610mm			
Approx. Mass	23.2kg (51.1lbs)			

**North & South America
Canon U.S.A., Inc.**
Imaging Technologies & Communications Group
Broadcast and Communications Sales & Marketing
Division (Headquarters)
65 Challenger Road, Ridgefield Park, NJ 07660
Tel:+1(201)807-3300/(800)321-4388
Fax:+1(201)807-3333
Email:bctv@cusa.canon.com
http://www.canonbroadcast.com/

Chicago
100 Park Blvd. Itasca, IL 60143
Tel:+1(630)250-6236 Fax:+1(630)250-0399

Atlanta
5625 Oakbrook Pkwy. Norcross, GA 30093
Tel:+1(770)849-7890 Fax:+1(770)849-7888

Los Angeles
15955 Alton Parkway Irvine, CA 92618
Tel:+1(949)753-4330 Fax:+1(949)753-4337

Dallas
3200 Regent Blvd. Irving, TX 75063
Tel:+1(972)409-8871 Fax:+1(972)409-8869

Latin America
Tel & Fax:+1(954)757-0980

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

**Europe/Africa/Middle East
Canon Europe Ltd**
Broadcast Products Div.
3 The Square, Stockley Park
Uxbridge Middlesex
United Kingdom UB11 1ET
Tel:+44 (0)20 8588 8140
Fax:+44 (0)20 8588 8603
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.**
Broadcast Equipment Products
15F Jinbao Building No.89 Jinbao Street
Dongcheng District, Beijing 100005, China
Tel:+86-10-8513-9999 Fax:+86-10-8513-9128
http://www.canon.com.cn

**Asia/Japan
Canon Inc.
(ICP GROUP 5)**
30-2, Shimomaruko 3-chome, Ohta-ku, Tokyo
146-8501, Japan
Tel:+81(0)3-3757-7453 Fax:+81(0)3-3757-7086
http://www.canon.com/bctv

Distributed by

Specifications subject to change without notice.

* This device has not been authorized as required by the rules of the Federal Communications Commission. This device is not and may not be offered for sale or lease or sold or leased, until authorization is obtained.

Canon <http://www.canon.com/bctv>