Canon

CUSTOMIZED SOLUTIONS FOR VIRTUAL & REMOTE CONTROL CAMERA SYSTEMS

SERIAL COMPACT-SERVO LENSES

4K COMPACT-SERVO
CN-E18-80 IS KAS S / SERIAL

4K COMPACT-SERVO
CN-E70-200 IS KAS S / SERIAL

\ KEY FEATURES

- **Cost-Effective, Large-Format 1080p/4K/UHD/HDR for Virtual & Remote Control Systems**

  For any production wanting a large-format, _cinematic_ look with a shallow depth of field for virtual or remote control systems, Serial COMPACT-SERVO lenses deliver the advanced optical performance and virtual lens data necessary to render 1080p/4K/UHD/HDR images.

- **RS-422 Serial Port Communication**

  Direct RS-422 serial communication from the 5-pin Serial port provides zoom, focus and iris feedback for virtual sets, LED walls and precise remote lens control.[1]

  RS-422 Serial Port

- **Built-in Servo Drive and Advanced Lens Features**

  With a built-in servo drive unit, the lens also has Canon EF mount communications, three degrees of image stabilization, auto or manual focus and iris control.[2]

[1]Serial COMPACT-SERVO 18-80mm and 70-200mm lenses are not compatible with the following accessories: Canon ZSG-10 Zoom Grip, Canon ZSD-300D, FPD-400D zoom and focus demands, Canon ZSD-15MII zoom demand, as well as Zacuto Z-C18RC Right-Angle Extension Cable and Z-CNYC "Y" Cables.

[2] With compatible Cinema EOS and EOS R cameras.

MEETS THE DEMANDS OF REMOTE CONTROL VIDEO APPLICATIONS

Designed to meet the high demands of remote control video applications, the Canon Serial COMPACT-SERVO 18-80mm and 70-200mm 4K lenses offer professional video functionality at an affordable price, making them ideal for a wide range of video applications including cinema production, news gathering, and other video production. These lenses deliver outstanding optical performance utilizing technology that merges Canon's decades of innovations in broadcast, cinema, and photographic optomechanics.

When integrated into a virtual set, LED wall or remote control system, the lenses provide a compact and lightweight solution that can give excellent POV perspective to any production. Data from the RS-422 5-pin serial port provides virtual systems with accurate focus, iris and zoom positional data to render virtual backgrounds accurately and delivers precise lens control information for remote control systems. With excellent optical quality, Serial COMPACT-SERVO lenses provide all of the professional video features of our 4K UHD Cinema lenses, such as minimal focus breathing and parfocal zooming.

\ SPECIFICATIONS

		COMPACT-SERVO 18–80mm T4.4 EF	COMPACT-SERVO 70–200mm T4.4 EF
Model Name		CN-E18-80 IS KAS S / SERIAL	CN-E70-200 IS KAS S / SERIAL
Serial Interface		5-pin LEMO interface for lens data and control	5-pin LEMO interface for lens data and control
Mount		EF Mount	EF Mount
Image Coverage		Super 35	Super 35
Focal Length		18–80mm	70–200mm
Zoom Ratio		4.4x	2.8x
Maximum Relative Aperture		T4.4 (F4) at 18–80mm	T4.4 (F4) at 70–200mm
Iris Blades		9	9
Angular Field of View	Aspect Ratio 1.78:1, Dimensions 24.6 x 13.8mm	68.7° × 41.9° at 18mm 17.5° × 9.9° at 80mm	19.9° x 11.3° at 70mm 7.0° x 4.0° at 200mm
	Aspect Ratio 1.9:1, Dimensions 26.2 x 13.8mm	72.1° × 41.9° at 18mm 18.6° × 9.9° at 80mm	21.2° x 11.3° at 70mm 7.5° x 4.0° at 200mm
Minimum Object Distance from Image Sensor		0.5m (1.7 ft.)	1.2m (4.0 ft.)
Object Dimensions at M.O.D.	Aspect Ratio 1.78:1, Dimensions 24.6 × 13.8mm	43.4 × 24.3cm at 18mm 9.5 × 5.3cm at 80mm	31.3 x 17.5cm at 70mm 11.5 x 6.4cm at 200mm
	Aspect Ratio 1.9:1, Dimensions 26.2 × 13.8mm	46.2 × 24.3cm at 18mm 10.1 × 5.3cm at 80mm	33.3 x 17.5cm at 70mm 12.2 x 6.4cm at 200mm
Front Diameter		ø84mm	ø84mm
Filter Size		77MM Protect Filter, PL-C B 77MM	77MM Protect Filter, PL-C B 77MM
Approx. Size (W x H x L)		3.67 x 4.22 x 7.18 in. (93.4 x 107.2 x 182.3mm)	3.67 x 4.22 x 7.18 in. (93.4 x 107.2 x 182.3mm)
Approx. Weight		2.65 lbs. (1.2kg) (including servo unit)	2.76 lbs. (1.25kg) (including servo unit)

FOR MORE INFO:
usa.canon.com/pro

🐦 @CanonUSApro
f @CanonUSA
⊙ @CanonUSA
▶ @CanonUSA

Professional
SERVICE &
SUPPORT
Speed, Quality, Excellence.

pro.usa.canon.com/support
800-423-LENS

Canon

1-800-OK-CANON
usa.canon.com

Canon U.S.A., Inc.
One Canon Park
Melville, NY 11747
U.S.A.