

# FCB-ER8550 FCB-ER8530

## Color Block Camera

Introducing the latest editions to our FCB 4K camera block range.



### Features

#### 4K Exmor R CMOS Sensor

- 4x resolution than FullHD
- High quality clear picture

#### 20x Optical Zoom lens

- High quality & durability

#### Super Resolution Zoom

- Sony Original Technology
- Provides 30x zoom at 4K resolution without compromise.

#### External Sync (FCB-ER8550 only)

- Enables smooth synchronisation for several cameras

#### Form factor compatible with FCB-EV series

- Image size from HD to 4K
- Same size & dimensions as FCB-EV7520

#### Other Features

- Auto ICR
- Privacy Zone Masking
- Noise Reduction
- Slow AE Response
- Defog (low/mid/high)
- Visibility Enhancer (VE)

*Exmor R* 4K

**FCB-ER8550**  
(inc. external synchronisation)

**FCB-ER8530**  
•1 / 2.5" Exmor R CMOS sensor  
•Quad Full HD model  
•20x Optical Zoom (with Super Resolution Zoom of 30x)

The FCB-ER8530 resets the bar in picture quality and performance in a convenient and compatible form factor, bringing 4K 20x Optical zoom capability to a variety of applications where space and form factor is a premium.

The FCB-ER8550 takes this further with the inclusion of External Synchronisation feature, increasing the control & versatility in a multi-camera environment.

# FCB-ER8530 & FCB-ER8550 Specifications

Camera	FCB-ER8530	FCB-ER8550
sensor type	1/2.5-type CMOS	1/2.5-type CMOS
Auto ICR function	Yes (adjustable threshold)	Yes (adjustable threshold)
ICR function	Yes	Yes
Freeze	Yes	Yes
Auto Slow Shutter	Yes	Yes
Slow Shutter function	Yes	Yes
Signal system	QFHD: 2160p/29.97, 2160p/25, 2160p/23.98 FHD: 1080p/59.94, 1080p/50, 1080p/29.97 (2-2), 1080p/25 (2-2), 1080i/59.94, 1080i/50, HD: 720p/59.94, 720p/50, 720p/23.98 SD: 480p/59.94, 576p/50	
Picture elements	8.51MPixels	
Lens	x20 Zoom f = 4.4 mm (Wide), 88.4 mm (Tele) F2.0 to F3.8	
Zoom movement speed	Optical Wide – Optical Tele 3.0 sec (Focus Tracking On) Optical Wide – Super resolution zoom Tele: 3.4 sec Digital Wide – Digital zoom Tele: 5.0 sec Infinity to Near: 0.1 sec	
Digital zoom	Super resolution zoom: 1.5x QFHD, 2.0X FHD Digital zoom: 12x	
Angle of view (H)	Approx. 70.2 degrees (Wide end, Image stabilizer Off) Approx. 4.1 degrees (Tele end, Image stabilizer Off)	
Min. working distance	80 mm (Wide end), 800 mm (Tele end)	
Image stabilizer	Yes	Yes
Sync system	No	Yes
Recommended illumination	100 to 100000 lux	
Minimum illumination	1.6 lux (1/30 sec, 50% ICR off, High Sensitivity mode Off) 0.4 lux (1/30 sec, 50% ICR Off, High Sensitivity mode On) 0.21 lux (50% ICR off, Slow Shutter 1/4s, High sensitivity off) 0.06 lux (50% ICR off, Slow shutter 1/4s, High sensitivity on) 1/1 to 1/10000 sec. (22 steps)	
Electronic shutter speed	Auto, ATW, Indoor, Outdoor, Outdoor Auto, Sodium Vapor Lamp Fix/Auto/outdoor , One-push, Manual	
White balance	Auto/Manual/Max gain limit/High Sensitivity (0 to 48dB, 16 steps)	
Gain	Full Auto, Shutter Priority, Iris Priority (26 steps), Manual, Bright, Exposure Compensation, Slow AE, Back Light Compensation, Slow Shutter - Auto/Manual, Max/Min shutter limit	
AE control	-10.5 to +10.5 dB (1.5 dB steps)	
EV compensation	6 steps ( 3DNR , 2DNR 3DNR separate mode)	
Noise reduction	Yes	
Spot AE	Auto (Sensitivity: normal, low), One-push AF, Manual, Infinity, Interval AF, Zoom Trigger AF, Spot AF, Near Limit, Focus Compensation with IR lighting	
Focusing system	Defog (Auto, 3-levels), Visibility enhancer, Black & White, E-Flip, Mirror, Colour enhancement, Black level, gamma, Sat/Hue Adjust, HLC, Colour Bar	
Picture effects	Yes (11 lines x 20 characters)	
Character generator	Yes (with Spherical Pan/tilt)	
Privacy zone masking	(24 mask, 8 on screen, 160x90 matrix) Yes (motion detection with 4 zones)	
Alarm function	16 steps, Bandwidth, balance and limit adjustment	
Aperture control	16 positions, 1 custom/power on preset	
Preset	16 bytes	
User memory	VISCA protocol (CMOS 3.1V), 9.6 Kbps, 19.2 Kbps, 38.4 Kbps, 115.2 Kbps Stop bit 1/2 bit PTP USB	
Serial interface	Digital Y/Cb/Cr 4:2:2 8 bits component, R/G/B 4:4:4 8bits component, similar to CEA-861-F HDMI1.4b 30 pin micro coax	
Video output	-20 to 60 °C/20 to 95 %	
Connector	-5° to 60°/20% to 80%	
Storage temperature/ Humidity	Approx 3.0W	
Operating temperature/ Humidity	6 to 12 V DC	
Power Consumption	Approx. 272g	
Voltage	50 × 60 × 93.3 mm	
Weight		
Dimensions		