SONY

FCB-ER8550
FCB-ER8530

Colour 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 zoon 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.

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	8.51 MPixels	
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)	
Electronic shutter speed	1/1 to 1/10000 sec. (22 steps)	
White balance	Auto, ATW, Indoor, Outdoor, Outdoor Auto, Sodium Vapor Lamp Fix/Auto/outdoor , One-push, Manual	
Gain	Auto/Manual/Max gain limit/High Sensitivity (0 to 48dB, 16 steps)	
AE control	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	
EV compensation	-10.5 to +10.5 dB (1.5 dB steps)	
Noise reduction	6 steps (3DNR , 2DNR 3DNR separate mode)	
Spot AE	Yes	
Focusing system	Auto (Sensitivity: normal, low), One-push AF, Manual, Infinity, Interval AF, Zoom Trigger AF, Spot AF, Near Limit, Focus Compensation with IR lighting	
Picture effects	Defog (Auto, 3 levels), Visibility enhancer, Black & White, E-Flip, Mirror, Colour enhancement, Black level, gamma, Sat/Hue Adjust, HLC, Colour Bar	
Character generator	Yes (11 lines x 20 characters)	
Privacy zone masking	Yes (with Spherical Pan/tilt)	
	(24 mask, 8 on screen, 160x90 matrix)	
Alarm function	Yes (motion detection with 4 zones)	
Aperture control	16 steps, Bandwidth, balance and limit adjustement	
Preset	16 positions, 1 custom/power on preset	
User memory	16 bytes	
Serial interface	VISCA protocol (CMOS 3.1V), 9.6 Kbps, 19.2 Kbps, 38.4 Kbps, 115.2 Kbps Stop bit 1/2 bit PTP USB	
Video output	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	
Connector	30 pin micro coax	
Storage temperature/ Humidity	-20 to 60 °C/20 to 95 %	
Operating temperature/ Humidity	-5° to 60°/20% to 80%	
Power Consumption	Approx 3.0W	
Voltage	6 to 12 V DC	
Weight	Approx. 272g	
Dimensions	50 × 60 × 93.3 mm	

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