

# FCB-EV7520A

## Colour Block Camera



### Features

#### FHD 1/2.8-type CMOS

- Superb Full HD (1920 x 1080 ) picture quality
- Improved WDR specifications with DOL Method:  
1080p/60 mode - 90 dB  
1080p/30 mode - 130 dB

#### 30x Optical Zoom lens

- Excellent zooming performance & durability

#### Digital Zoom

- 12X Digital Zoom
- Provides 360x zoom at FHD resolution without compromise

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

- Direct Successor to FCB-EV7520 with same size & dimensions for easy migration

#### Other Features

- Defog (Auto, low/mid-high)
- Auto ICR
- Noise Reduction
- Slow AE Response
- Private Zone Masking
- Visibility enhancer
- Flicker compensation
- High Sensitivity

**STARVIS**

### FCB-EV7520A

- 1/2.8-type CMOS
- Full HD Model (1080/60)
- 30x Optical Zoom (with Digital Zoom 360x)

Sony is proud to introduce the FCB-EV7520A.

This new advanced camera block is a direct successor to the FCB-EV7520 and provides an upgrade migration path for the 720p FCB-EV5500 and 20x Optical Zoom EV series variants.

The FCB-EV7520A is equipped with a 30x optical zoom lens and builds upon the market leading specifications of the well regarded FCB-EV7520.

This camera module inherits a multitude of features from Sony's world-renowned FCB Series including VISCA command protocol, Advanced Noise Reduction, Auto ICR, Spherical Privacy Zone Masking and Wide Dynamic Range. These market leading features are suitable for a variety of demanding applications.

# FCB-EV7520A Specifications

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Camera	FCB-EV7520A
Image Sensor	1/2.8-type CMOS
ICR function	Yes
Picture freeze	Yes
Auto Slow Shutter	Yes
Slow Shutter function	Yes
Wide Dynamic Range	O (DOL method, (90dB 1080p60, 130dB 1080p30)
Signal system	HD: 1080p/60, 1080p/59.94, 1080p/50, 1080p/30, 1080p/29.97, 1080p/25, 1080i/60, 1080i/59.94, 1080i/50, 720p/60, 720p/59.94, 720p/50, 720p/30, 720p/29.97, 720p/25
Picture elements	Approx. 2.13Mpixels
Horizontal resolution	TBC
Lens	x30 Zoom f = 4.3 (WIDE) to 129.0 (TELE) mm - (F1.6 to F4.7)
Zoom movement speed	Optical WIDE/Optical TELE: 2.5 sec (Focus Tracking OFF), 5.0 sec (Focus Tracking ON) Optical WIDE/Digital TELE: 7.0 sec (29.97Hz/59.94Hz mode), 7.4 sec (25p/50p mode) Digital WIDE/Digital TELE: 2.1 sec (29.97Hz/59.94Hz mode), 2.5 sec (25p/50p mode) Infinit to near: 1.1s
Digital zoom	x12 (x360 with optical zoom)
Angle of view (H)	Approx. 63.7 degree (WIDE end), Approx. 2.3 degree (TELE end)
Minimum object distance	10 mm (WIDE end), 1200 mm (TELE end)
Image stabilizer	Yes
Sync System	TBC
Recommended illumination	100 to 100000 lux
Minimum illumination	0.1 lux (50IRE, 1/30s, ICR off, Slow Shutter off, High Sensitivity off), 0.1 lux (50IRE, 1/30s, ICR off, Slow Shutter off, High Sensitivity on)
	0.013 lux (50IRE, ICR off, Slow Shutter 1/4s, High sensitivity off), 0.0013 lux (50IRE, ICR off, Slow shutter 1/4s, High sensitivity on)
	0.006 lux (50IRE, ICR on, Slow Shutter off, High Sensitivity off), 0.0015 lux (50IRE, ICR on, Slow Shutter off, High Sensitivity on)
	0.0008 lux (30IRE, ICR on, 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 50.0 dB, 28 steps)
AE control	Full Auto, Shutter Priority, Iris Priority, Manual, Exposure Compensation, Slow AE, Back Light Compensation, Slow Shutter - Auto/Manual, Min shutter limit
EV compensation	-10.5 to +10.5 dB (1.5 dB steps)
Flicker compensation	Yes (flicker reduction ON/OFF)
Noise reduction	Yes 6 steps (2DNR 3DNR separate mode)
Spot AE	Yes
Focusing system	Auto (Sensitivity: normal, low), One-push AF, Manual, Infinity, Interval AF, Zoom Trigger AF, Near Limit, Focus Compensation with IR lighting
Picture effects	Defog (Auto, 3 levels), Visibility enhancer, Black & White, E-Flip, Mirror, Black level, gamma, Sat/Hue Adjust, HLC, contrast
Character generator	Yes (11 lines x 20 characters)
Grid /cross display	Yes (center line)
Privacy zone masking	Yes (with Spherical Pan/tilt) (24 mask, 8 on screen, 160x90 matrix)
Interlock with pan, tilt and zoom	Yes (spherical interlocking)
Alarm function	Yes (motion detection with 4 zones)
Camera operation switch	TBC
Aperture control	yes (16 steps)
Preset	16 positions, 1 custom/power on preset
User memory	16 bytes
Serial interface	VISCA protocol (TTL/CMOS), 9.6 Kbps, 19.2 Kbps, 38.4 Kbps, 115.2 Kbps Stop bit 1/2 bit
Remote update	Yes (Serial 115200 bds)
External Key switch	TBC
AF LED	TBC
Visca Model ID	0640
Video output	HD: Digital (Y/Cb/Cr 4:2:2) Dual/single LVDS
Connector	30 pin LVDS
Battery backup	TBC
Metal frame	Yes
Lens Mount adaptor	TBC
lens diameter	41.7mm
Supplied accessories	TBC
Storage temperature/ Humidity	-20 to 60 °C/20 to 95 %
Operating temperature/ Humidity	-5° to 60°/20% to 80%
Power Consumption	Approx. 4.0W
Power voltage	6 to 12 V DC
Weight	Approx. 250g
Dimensions	Approx. 50.0 x 60.0 x 89.7mm

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