

## FCB-EX48C

### Colour Block Cameras

The FCB-EX48 series is equipped with a high-sensitivity CCD, allowing images to be captured at a minimum illumination of 0.7 lx.

Sony's new FCB-EX series of colour block cameras are equipped with an incredibly high 18x zoom lens which has a wide/telephoto horizontal field of view, making them ideally suited for use in security domes and traffic monitoring applications. These cameras incorporate an advanced Spherical Privacy Zone Masking feature which allows the masking function to be interlocked with the camera's pan/tilt/zoom movements, regardless of the camera angle, ensuring the individual's privacy.

## Features

**Advanced Spherical Privacy Zone Masking function**  
(max. 24 masking blocks)

**SMART lens control**

(Sony Modular Automatic Lens Reset Technology)

**Electronic-Flip (E-Flip) function**

**Alarm function**

**High-performance Digital Signal Processing (DSP)**

**High-speed serial interface (max. 38.4 Kb/s) with TTL signal-level control (VISCA™ protocol)**

**Equipped with key switch connector (CN601) for camera control with external equipment**

**Various customisable settings**

**Internal/External sync**

**Low power consumption (1.6 W with motors inactive)**

**EEPROM backup system without battery**

**16-bytes of free memory is available for recording data such as product serial numbers and camera/system ID numbers**

**Lead-free solder and halogen-free printed-circuit boards**

## Technical Specifications

Generic Specifications	
Image device	1/4 type EXview HAD CCD
Effective picture elements	Approx. 380,000 pixels
Lens	18x optical zoom, f=4.1 mm (Wide) to 73.8 mm (Tele), F1.4 to F3.0
Digital zoom	12x (216x with optical zoom)
Viewing angle (H)	48.0° (Wide end) to 2.8° (Tele end)
Minimum working distance	35 mm (Wide end) to 800 mm (Tele end)
Sync system	Internal/External (V-Lock)
Minimum illumination	0.7 lx (typical) (50 IRE)
S/N ratio	More than 50 dB
Electronic shutter	1/1 to 1/10.000 s, 22 steps
White balance	Auto, ATW, Indoor, Outdoor, One-push, Manual
Gain	Auto/Manual (-3 to 28 dB, 2 dB steps)

AE control	Auto, Manual, Priority mode, Bright, EV compensation, Back-light compensation
EV compensation	-10.5 to +10.5 dB (1.5 dB steps)
Back-light compensation	On/Off
Privacy zone masking	On/Off (24 positions)
Flicker cancel	Auto
Focusing system	Auto (sensitivity: normal, low), One-push AF, Manual, Infinity, Interval AF, Zoom Trigger AF
Picture effects	E-Flip, Nega Art, Black & White, Mirror Image
Camera operation switch	Zoom Tele, Zoom Wide
Video output	VBS: 1.0 Vp-p (sync negative), Y/C Output
Camera control interface	VISCA (TTL signal level), baud rate: 9.6 Kb/s, 19.2 Kb/s, 38.4 Kb/s, Stop bit: 1 or 2 selectable
Storage temperature	-20 to 60°C (-4 to 140°F)
Operating temperature	0 to +50°C (32 to 122°F)

Power consumption	6 to 12 V DC/1.6 W (motors inactive), 2.5 W (motors active)
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Mass	230 g (8.1 oz)
Dimensions (WxHxD)	52.0 x 57.5 x 88.5 mm (2 1/8 x 2 3/8 x 3 1/2 inches)