**Product Information** 

# FCB-IX47C

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The high-performance Sony FCB-IX colour block camera series, providing high-quality images and excellent sensitivity – these block cameras are suitable for integration into a variety of systems for almost any application.

The Sony FCB-IX colour block camera series incorporates high-performance Digital Signal Processing (DSP) and firmware that greatly enhance their operation and picture quality compared to conventional block cameras. Inheriting the outstanding features of previous generations of Sony block cameras, Sony FCB-IX Series is ideal for numerous general purpose applications. For example, they can be integrated into low vision systems, police cars, photo booths, and document stands.

The FCB-IX47C/IX47CP and FCB-IX45C/IX45CP colour cameras incorporate a 1/4-type Super HAD<sup>TM</sup> CCD and feature a 72x zoom ratio (18x optical, 4x digital) and a minimum illumination of 1.0 lx - expanding their vast application appeal.

Offering high picture quality and a variety of functions, the FCB-IX Series is ideal for your demanding applications.

# Features

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

High-speed Serial Interface (max. 38.4 Kb/s) with TTL Signal-Level Control (VISCA<sup>TM</sup> protocol)

High-quality Image in both Digital-zoom and Slow-shutter Modes (FCB-IX47C/IX47CP, FCB-IX11A/IX11AP only)

Various AF Modes including Zoom Trigger and Interval Modes

Various AE Modes including Spot AE Mode to Optimise the Brightness within the Specific Area

Electronic-Flip (E-Flip) for capturing images in the proper orientation (FCB-IX47C/IX47CP only)

**Expanded Mode Parameter for Shutter Speed and Gain Level** 

**Superb Sensitivity** 

\* Autofocus (AF) Algorithm

This unique algorithm makes the block camera ideal for security applications, in which 24/7 continuous usage is common. This technology controls the unit's autofocus function to provide extended lens life and steady image quality.

- SMART (Sony Modular Automatic lens Reset Technology) Lens Control\* Automatically compensates for mechanical misalignment of the lens, which may occur over a long period of continuous usage.

Low Power Consumption (1.5/1.6 W when motors are mactive)

**EEPROM Backup System without Battery** 

16-Bytes of Memory is Available for Recording Data such as Product Serial Numbers and Camera/System ID Numbers (FCB-IX47C/IX47CP, FCB-IX45C/IX45CP only)

Environmentally-friendly (Lead-free solder and Halogenfree Printedcircuit boards)

### **Benefits**

1/4-type Super НАD<sup>тм</sup> ССD

72x Zoom Ratio (18x optical, 4x digital)

Minimum Illumination of 1.0 lx (typical)

**Key Switch Control Compatibility** 

**Spot AE** 

**E-Flip** 

**Field Memory/Freeze Mode** 

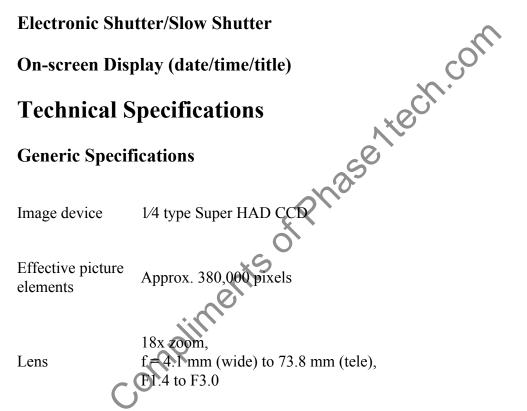
High-speed Serial Interface (maximum 38.4 Kb/s) with TTL Signal-Level Control (VISCA protocol)

**Electronic Shutter/Slow Shutter** 

**On-screen Display (date/time/title)** 

## **Technical Specifications**

#### **Generic Specifications**



Digital zoom 4x (72x with optical zoom)

Viewing angle (H) 48  $^{\circ}$  (wide end) to 2.8 $^{\circ}$  (tele end)

Minimum working 10 mm (wide end), 800 mm (tele end) distance

Sync. system Internal

Minimum illumination	1.0 lx (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
Flicker cancel	Auto
Focusing system	Auto (sensitivity: Normal, Low), One-Push AF, Manual, Infinity, Interval AF, Zoom Trigger AF
Picture effect	Neg. Art, Black & White, Mirror Image, E-Flip
Camera operation switch	Zoom tele, Zoom wide
Video output	VBS: 1.0 Vp-p (Sync. Negative) Y/C Output

38.4 Kb/s Stop bit 1/2 selectable interface Storage -20 °C to 60 °C (-4 °F to 140 °F) temperature Operating 0 °C to 50 °C (32 °F to 122 °F) temperature settech.com Power 6 to 12 V DC / 1.5 W (inactive motors), consumption 2.0 W (active motors)

VISCA (TTL/RS-232C signal level) Baud Rate 9.6 Kb/s, 19.2 Kb/s,

170 g (6.0 oz) Mass

Camera control

Dimensions (W x 48.2 x 56.6 x 92.3 mm (1 15/16 x 2 1/4 x 3 3/4 inches) H x D)

\* The initial factory setting for the SMART Lens Control function is 'OFF'. When the function is turned OFF and the unit is used continuously for more than 24 hours, lens system initialisation is recommended every 24 hours to extend the life of the lens. The 'Initialise Lens' command takes a little less than 3 seconds to initialise the focus and zoom. When the Smart Lens Control function is turned ON, lens initialisation is not required.

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