

FCB-IX47C

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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™ 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™ 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 inactive)

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 Printed-circuit boards)

Benefits

1/4-type Super HAD™ CCD

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

Image device	1/4 type Super HAD CCD
Effective picture elements	Approx. 380,000 pixels
Lens	18x zoom, f = 4.1 mm (wide) to 73.8 mm (tele), F1.4 to F3.0
Digital zoom	4x (72x with optical zoom)
Viewing angle (H)	48 ° (wide end) to 2.8° (tele end)
Minimum working distance	10 mm (wide end), 800 mm (tele end)
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

Camera control interface VISCA (TTL/RS-232C signal level) Baud Rate 9.6 Kb/s, 19.2 Kb/s, 38.4 Kb/s Stop bit 1/2 selectable

Storage temperature -20 °C to 60 °C (-4 °F to 140 °F)

Operating temperature 0 °C to 50 °C (32 °F to 122 °F)

Power consumption 6 to 12 V DC / 1.5 W (inactive motors), 2.0 W (active motors)

Mass 170 g (6.0 oz)

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

*** 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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