

## INTRODUCTION

The new Sony FCB-EX45MC\* black-and-white block camera incorporates advanced features and especially suited for security-dome, traffic-monitoring, airline-security and facial-recognition applications. Adopting a 1/4 type B/W EXview HAD CCD™, the FCB-EX45MC achieves excellent sensitivity of less than 0.01 lx – making it ideal for extremely low-light environments.

Featuring a high-performance Digital Signal Processor (DSP), the FCB-EX45MC camera also achieves a high resolution of 520 TV lines and is equipped with an 18x optical zoom lens. The FCB-EX45MC camera incorporates an Enhanced Spherical Privacy Zone Masking feature and SMART Lens Control technology.

It also inherits many popular functions from earlier FCB-EX Series, such as Spot AE, quick camera control via a high-speed serial interface (max. 38.4 kb/s) and customisable settings. Combining superb picture quality and a variety of convenient functions, the FCB-EX45MC is a match for a wide range of surveillance and monitoring applications.

\* In the following text, "FCB-EX45MC" refers to both the FCB-EX45MC (EIA model) and the FCB-EX45MCC (CCIR model).

## FEATURES

- 1/4 type EXview HAD CCD
- FCB-EX45MC: 380,000 pixels (EIA)
- FCB-EX45MCC: 440,000 pixels (CCIR)
- Extremely low minimum sensitivity of 0.01 lx (typical)
- High horizontal resolution of 520 TV lines
- 216x zoom ratio (18x optical, 12x digital)
- Spot AE

The AE area is selected from one of the 16 vertical/16 horizontal blocks of the picture to optimize brightness within the desired area.

- **Enhanced Spherical Privacy Zone Masking**  
Unwanted or prohibited areas within an image can be masked precisely and appropriately. This technology allows masking areas to be interlocked with Pan/Tilt/Zoom movements regardless of the camera angle. A maximum of 24 masking areas can be preset to any of 160 horizontal and 120 vertical masking blocks, and up to eight block positions with two colours can be selected together.

- **Unique Algorithms for Lens-Life Extension 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.

- **High-speed serial interface (max. 38.4 kb/s) and TTL signal-level control (VISCA™ protocol)**
- **Various customisable settings**
- **Internal/External sync**
- **16-Bytes of Memory is Available for Recording Data such as Product Serial Numbers and Camera/System ID Numbers**
- **Low power consumption – min. 1.5 W (when motors are inactive)**
- **Environmentally-friendly (Lead-free solder and Halogen-free Printed-circuit boards)**



## FCB-EX45MC/45MCC

### Monochrome Block Camera



