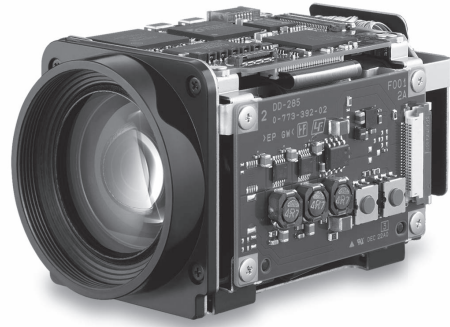


# FCB-H11



## Outline

The FCB-H11 incorporates a 1/3-type HD CMOS image sensor boasting approximately two million effective pixels.

This camera also features multi-format video outputs, satisfying user needs for high-definition (HD) and standard-definition (SD) applications. When extremely clear, super picture quality HD images are required, the FCB-H11 camera offers 1080i and 720p signals. This versatile and flexible camera can also be used with an SD system to allow easy migration from SD to HD when you are ready.

The FCB-H11 incorporates a 10x optical zoom lens. All camera settings can be performed by VISCA protocol at high communication speeds up to 38.4 kb/s. The custom preset function allows you to customize the initial setting of each function when the power of the camera is turned on.

The camera employs an 10x optical zoom lens.  
(Auto Focus Zoom)  
f=5.1 mm (wide) to 51.0 mm (tele), F1.8 to F2.1

## Features

- The CMOS video camera provides 2,000,000 effective picture elements (pixels) that can shoot high-definition image to offer superior picture quality.
- The camera is compatible with 8 formats, including the Full HD (1080i high definition) video format, which is equivalent to an HD-TV broadcast.
  - 1080i/59.94, 1080i/50
  - 720p/59.94, 720p/50
  - 525i/59.94 (Crop), 625i/50 (Crop)
  - 525i/59.94 (Squeeze), 625i/50 (Squeeze)
- Video Output
  - HD: Analog Component
  - SD: VBS, Y/C
- Auto ICR Function
- Minimum illumination (Typical F1.8, 50 IRE)
  - ICR off mode : 12 lx
  - ICR on mode : 1.2 lx
- Digital zoom 12x (120x with optical zoom)
- VISCA protocol (TTL signal level)
- Position preset function
- Custom preset function
- Compact and Lightweight Design
  - Size: 47.2 (W) × 43.1 (H) × 72.2 (D) mm
  - Mass: 120 g

Digital Video Camera XCG XCD XCL  
 Intelligent XCI  
 Analog Video Camera XC (Non-TV Format)  
 XC (TV Format)  
 Accessories  
 Color Camera Module FCB  
 Color PTZ Camera EVI

## Specifications

| <b>FCB-H11</b>                  |  |
|---------------------------------|--|
| Image sensor                    | 1/3-type CMOS  |
| Effective Number of Pixels      | Approx. 2,000,000 pixels   |
| Signal output                   | 1080i/59.94, 1080i/50, 720p/59.94, 720p/50,<br>525i/59.94 (Crop), 525i/59.94 (Squeeze),<br>625i/50 (Crop), 625i/50 (Squeeze) |
| Sync system                     | Internal   |
| Video output                    | HD Analog Component: Y/Pb/Pr<br>VBS: 1.0Vp-p (sync negative), Y/C output   |
| Camera control interface        | VISCA protocol (TTL signal level)<br>Baud Rate: 9.6 kbps/19.2 kbps/38.4 kbps, Stop bit: 1bit                                 |
| Lens                            | 10x optical zoom, f=5.1 mm (wide) to 51.0 mm (tele) F1.8 to F2.1   |
| Digital zoom                    | 12x (x120 with optical zoom)   |
| Zoom movement speed             |  |
| Optical wide to Optical tele    | 1.0 sec  |
| Optical wide to Digital 4x tele | 1.5 sec  |
| Digital wide to Digital 4x tele | 0.5 sec  |
| Focus movement speed            | ∞ to Near Approx. 0.1 sec  |
| Horizontal angle of view        | 50.0° (wide) to 5.4° (tele) (in HD and SD Squeeze output mode)   |
| Minimum object distance         | 10 mm (wide) to 800 mm (tele)  |
| S/N ratio                       | More than 50 dB  |
| Minimum illumination (Typical)  | 12 lx (F1.8, 50IRE), 1.2 lx (ICR-ON, F1.8, 50IRE)  |
| Recommended illumination        | 100 lx to 100,000 lx   |
| Electronic shutter              | 1/2 sec to 1/10,000 sec (21 steps)   |
| Gain                            | Auto/Manual (-3 dB to +18 dB, 3 dB 8 steps)  |
| Storage temperature/humidity    | -20°C to +60°C/20% to 95%  |
| Operating temperature/humidity  | 0°C to 45°C/20% to 80%   |
| Power requirements              | 6.0 V to 12.0 V DC   |
| Power consumption               | 3.8 W  |
| Mass                            | 120 g  |
| Dimensions (W × H × D)          | 47.2 × 43.1 × 72.2 mm  |

The values for mass and dimension are approximate.

\* "VISCA" is a trademark of Sony Corporation

XCG  
XCD  
XCL

Digital Video Camera

XCI

Intelligent

XC (Non-TV Format)  
XC (TV Format)

Analog Video Camera

Accessories

Color Camera Module  
FCB

Color PTZ Camera  
EWI