

## FCB-EX1010

Colour block camera that combines an incredibly powerful 36x zoom lens with a wide/telephoto horizontal field of view, ideally suited for use in security domes and traffic monitoring applications.

The FCB-EX1010 is equipped with an advanced backlight compensation function that dramatically improves the camera dynamic range by 128x when compared to conventional cameras, reproducing high-contrast images of the original scene. In addition, an advanced slow AE response function provides clear images even when monitoring areas where the lighting conditions change abruptly, making this camera suitable for use in a variety of applications. What's more, this camera is equipped with a number of convenient new functions such as Spherical Privacy Zone Masking with Mosaic Effect, Video Motion Detection, and Multi-Line On-Screen Display, as well as features inherited from earlier FCB-EX Series cameras such as e-Flip, Picture Freeze, and Auto ICR.

## Features

1/4-type EXview HAD CCD

## Technical Specifications

Generic Specifications	
Image sensor	1/4-type EXview HAD CCD
Number of total pixels	Approx. 380,000 pixels
Lens	36x optical zoom, f=3.4 mm (wide) to 122.4 mm (tele), F1.6 to F4.5
Digital zoom	12x (432x with optical zoom)
Angle of view (H)	57.8° (wide end) to 1.7° (tele end)
Minimum working distance	320 mm (wide end) to 1,500 mm (tele end)
Sync system	Internal / External (V-lock)
Minimum illumination	1/60 s mode: 1.4 lx (typical) (F1.6, 50 IRE). 1/4 s mode: 0.1 lx (typical) (F1.6, 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

**High Horizontal Resolution of 530 TV Lines  
432x Zoom Ratio (36x optical, 12x digital)**

**Wide Dynamic Range**

**Advanced Spherical Privacy Zone Masking Function with Mosaic Effect**

**Video Motion Detection**

**Minimum Illumination of 1.4 lx (typical) at 1/60 s shutter speed and 0.1 lx (typical) at 1/4 s shutter speed**

**Multi-Line On-Screen Display**

**e-Flip Function**

**Auto ICR (IR-cut filter Removal) Mode**

**Picture Freeze Function**

**Key Switch Connector (CN702) for Camera Control with External Equipment**

**Electronic Shutter/Slow Shutter**

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

**Internal/External Sync**

Gain	Auto / Manual (-3 to 28 dB, 2 dB steps)
AE control	Auto, Manual, Priority mode (shutter priority & iris priority), Bright, EV compensation, Backlight compensation, Slow AE
Wide dynamic range	On / Off
Backlight compensation	On / Off
Privacy zone masking	On/Off (8 masks per view/24 masks presets in the entire viewing range when integrated into a PTZ camera - 14 colours, mosaic)
Character generator	Mode display/Multi-line OSD (OSD has priority over Mode display)
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

Camera control interface	VISCA (TTL signal level), baud rate: 9.6 Kb/s, 19.2 Kb/s, 38.4 Kb/s, 1 or 2 Stop bit 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/2.6 W (motors inactive),4.9 W (motors active)
Mass	230 g (8.1 oz)
Dimensions (W x H x D)	50.0 x 57.5 x 87.9 mm (2 x 2 3/8x 3 1/2inches)