



FCBEX15E 12x NTSC Block Camera

Pricing available upon
request

UPC: 027242268746

Overview

12x block camera with superb picture quality and features you've come to expect from the FCB camera line-up, such as digital output, color enhancement and sodium vapor lamp mode.

Highlights

- * True Progressive Scan: Ideally suited for IP-ready monitoring applications, the FCB-EX15E/EP cameras adopt a Progressive Scan mode to provide smooth and clear images without interlace artifact effects when viewing details in a moving image (i.e., license plate of moving vehicles, a person running). All the processing is done by the PS from the CCD readout, signal to processing to video output.
- * Digital Output (ITU-R BT656): By using the digital interface, the quality of the camera's video signal is maintained with minimal deterioration. This can lead to cost savings due to the direct connection to codecs/systems without the need for any additional components.
- * Temperature Readout: The value of the internal temperature of the FCB E Version cameras can be read out via the VISCA™ protocol. When checking the internal temperature of equipment (i.e., speed dome unit), it is possible to use this data to turn a fan or heater on/off inside the equipment as needed.
- * Color Enhancement: Ideally suited for low vision applications, new color enhancement options can make reading text and pictures less challenging. Available options include monochrome, binary, inverted and enhanced color modes.

- * Auto Wide-D Mode: When dealing with high or low contrast lighting situations in the previous FCB cameras, it was necessary to switch off the Wide-D function by sending a VISCA command each time. With the new FCB-EX995E/995EP and FCB-EX490E/490EP, the cameras monitor the luminance differences within an image and automatically switch on and off the Wide D feature according to the contrasted lighting environment. How is this done? An image is divided into 12 blocks. The luminance of each block is then averaged and the camera monitors the difference of all 12 blocks. When the luminance difference between the highest and lowest block area reaches a pre-selected level, the camera automatically turns on/off the Wide-D. This process takes less than one second. In addition, it is possible to select three levels of luminance differences (low/mid/high).
- * White Balance: Outdoor Auto Mode: The FCB-E Version cameras are equipped with a new Outdoor Auto Mode feature. When shooting at dawn or dusk, images could appear bluish. The new E version cameras automatically adjust the white balance to reduce the dark tones at dawn or dusk.
- * White Balance: Sodium Vapor Lamp Mode: When cameras are shooting under a sodium vapor lamp (typically a street lamp or tunnel lamp), the image could appear to have a yellowish tint. The new FCB E Version cameras are equipped with a new Sodium Vapor Lamp Mode that automatically compensates for the sodium vapor lamp degree of Kelvin to restore objects to their original color.

Specifications

Camera Specifications	Detail
Image Device	1/4-type EXview HAD CCD (PS)
Effective Pixels	380,000
Digital Zoom	12x (144x with optical zoom)
Horizontal Viewing Angle	53.6° (wide end) to 4.6° (tele end)
Minimum Object Distance	10 mm* (wide) ~ 800 mm (tele) *Default: 290 mm

Sync System	Internal/External (V-lock)
Electronic Shutter	1/1 to 1/10,000 s, total 22 steps
White Balance	Auto. ATW, Indoor, Outdoor, Outdoor Auto, Sodium Vapor Lamp (Fix/Auto), One-push, Manual
Gain	Auto/Manual/Max. Gain Limit (-3 to +28 dB, +2 dB step/total 16 steps)
Wide Dynamic Range	Yes
Privacy Zone Masking	Spherical
Character Generator	Yes (English/Chinese)
Focus System	Auto (Sensitivity: normal, low), One-push AF, Manual, Infinity, Interval AF, Zoom Trigger AF, Focus compensation in ICR On
Picture Effects	E-flip, Nega Art, Black & White, MirrorImage, Color Enhancement
Exposure Control	Auto, Manual, Priority Mode (shutter priority & iris priority), Bright, EV Compensation, Slow AE
Video Output Specifications	Detail
Lens Value	12x optical zoom lens, f=3.7 mm (wide) to 44.4 mm (tele), F1.6to F2.5
S/N Ratio	More than 50 dB
Minimum Illumination	Approx. 1.0 lx (F1.6, 50 IRE)
Video Output	Analog: VBS: 1.0 Vp-p (sync negative)
Horizontal Resolution	550 TV Lines
Interfaces Specifications	Detail
Camera Control Interface	VISCA protocol (CMOS 5 V) 9.6 Kbps, 19.2 Kbps, 38.4 Kbp; Stop bit, 1 bit
General Specifications	Detail
Dimensions (W x H x D)	44.8 x 46.9 x 71.8 mm
Weight	Less than 150 g
Operating Temperature	-5°C ~ 60°C
Storage Temperature	-20° ~ 60°C
Power Consumption	3.7 W (motors active) / 2.3 W (motors inactive)
Power Requirements	6.0 V ~12.0 V DC

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