

SONY

2 Megapixel Block Camera



Full 1920 x 1080/30p High Definition: Ideally suited for Military and Security monitoring applications, the FCB-EH6300 HD block camera offers full 1920 x 1080/30p high definition video output.

Digital Output (Y/Cb/Cr 4:2:2): The digital LVDS interface provides easy access for IP and Gigabit Ethernet applications. Thanks to 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 with codecs/systems without the need for any additional components.

Temperature Readout: The value of the internal temperature of the FCB-EH6300 camera 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.



Key Features:

- Digital Noise Reduction
- Spherical Zone Masking
- Motion Detection Alarm
- Slow AE response: Max. 2 minutes
- Camera mode display feature
- Picture Effects: E-Flip, Nega Art, Black & White, Mirror Image, Color Enhancement
- 200X zoom ratio (20x zoom/10x digital)
- Electronic shutter/slow shutter
- TTL signal-level control (VISCA™ protocol)

Specifications *

Image sensor	1/2.8-type Exmor CMOS
Effective number of pixels	Approx. 3.27 Megapixels
Image size (H x V)	1920 x 1080, 1280 x 720, 720 x 480, 720 x 576
Lens	20x optical zoom, f=4.7 mm (wide) to 94.0 mm (tele) ,

	F1.6 to F3.5
Digital zoom	12x (240x with optical zoom)
Angle of view (H)	1080p mode - 55.4°(wide end) to 2.9°(tele end) 720p mode - 37.6°(wide end) to 2.0°(tele end)
SMinimum object distance	10 mm (wide end) to 1,000 mm (tele end) (Default: 300 mm)
Sync system	Internal
Minimum illumination	High sensitivity mode - 0.5 lx (F1.6, ICR off) 0.095 lx (F1.6, ICR on) Normal mode - 1.7 lx (F1.6, ICR off) 0.3 lx (F1.6, ICR on)
Recommended illumination	100 lx to 100,000 lx
S/N ratio	More than 50 dB
Signal system	<u>HD</u> 1080p/29.97, 1080p/25, 1080i/59.94 (Frame out: 29.97 PsF), 1080i/50 (Fram out: 25 PsF) 720p/59.94, 720p/50, 720p/29.97, 720p/25 <u>SD</u> NTSC, PAL
Video output	<u>HD</u> Analog: Component (Y/Pb/Pr) Digital: Y/Cb/Cr 4:2:2 via LVDS (Signal format conforms to SMPTE274/SMPTE296.) <u>SD</u> VBS
Camera control interface	VISCA (CMOS 5 V level) Baud rate: 9.6 Kbps, 19.2 Kbps, 38.4 Kbps Stop bit: 1 bit
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 (-3 dB to +28 dB, +2 dB step/total 16 steps) Max. Gain Limit (+6 dB to +28 dB, +2 dB step/total 12 stpes)
AE control	Auto, Manual, Priority mode (shutter priority & iris priority), Bright, EV Compensation, Slow AE
Focusing system	Auto (Sensitivity: normal, low), One-push AF, Manual, Infinity, Interval AF, Zoom Trigger AF, Focus Compensation in ICR On
EV compensation	No
Backlight compensation	Yes
Aperture control	16 steps
Preset	6 positions
Wide-D	Yes (On/Off/Auto) **

Image Stabilization	No
StableZoom	No
Digital output	Yes
Auto ICR	Yes
Spherical privacy zone masking	Yes
Noise reduction	Yes (On/Off) (Level 5 to 1/Off total 6 steps)
Motion detection	Yes
Alarm	Yes
Slow AE	Yes (Approx. 5 minutes)
Picture effects	Yes (E-Flip, Nega Art, Black & White, Mirror Image, Color enhancement)
Picture freeze	Yes
Slow shutter	Yes
Temperature readout	Yes
Title display	Yes (20 characters/line, max. 11 lines)
Camera mode display	Yes
Key switch control	No
Camera operation switch	No
Storage temperature	-4°F to +140°F (-20°C to +60°C)
Storage humidity	20% to 95%
Operating temperature	23°F to +140°F (-5°C to +60°C)
Operating humidity	20% to 80%
Power requirements	6.0 V to 12.0 V DC
Power consumption	3.2 W (zoom/focus inactive) / 3.8 W (zoom/focus active)
Weight	9.2 oz (260 g)
Dimensions (w x h x d)	2 x 2 3/8 x 3 5/8 inches (50.0 x 60.0 x 89.7 mm)

** Features and specifications subject to change without notice.*