SONY



FCB-FV752



FCB-EV732



FCB-EV7500



FCB-FV7100



FCB-EV7300



FCB-EV5500



FCB-EV7310



FCB-EV5300



FCB-EV Series

Colour Block Cameras

ExmorR	Exmor
STARVIS	FCB-EV7500
	FCB-EV7300
FCB-EV7520	FCB-EV7310
FCB-EV7320	FCB-EV7100
	FCB-EV5500
	FCB-EV5300

FCB-EV7520 FCB-EV7320

FCB-EV7500 FCB-EV7300 FCB-EV7310 FCB-EV7100 FCB-EV5500 FCB-EV5300



Sony expands the FCB-EV Series camera block line-up with the introduction of two new high-sensitivity, high-quality cameras. The new FCB-EV7520 and FCB-EV7320 incorporate a 1/2.8-type Exmor RTM CMOS sensor which provides Full-HD video with extraordinary sensitivity.

In addition, these cameras incorporate STARVISTM technology to realize high picture quality in visible light and near-infrared light.

Now Sony's FCB-EV Series offers a broad range of products from 10x to 30x optical zoom, and either HD or Full-HD. All of these cameras inherit a multitude of Sony's world-renowned FCB features, including Auto ICR, Spherical Privacy Zone Masking, and Defog.

		FCB-EV7500	FCB-EV7520	FCB-EV7300	FCB-EV7320	FCB-EV7310	FCB-EV7100	FCB-EV5500	FCB-EV5300
	Imager sensor	1/2.8-type Exmor CMOS	1/2.8-type Exmor R CMOS	1/2.8-type Exmor CMOS	1/2.8-type Exmor R CMOS	1/2.8-type E	xmor CMOS	1/3-type Ex	kmor CMOS
	Lens	30	Ox		20x		10x	30x	20x
	Picture quality			Full HD 1080p	(1920 x 1080)			HD (128	0 x 720)
	Minimum illumination*	Colour: 0.35 lx (F1.6, AGC on, 1/30 s)	Colour: 0.01 lx (F1.6, AGC on, 1/30 s)	Colour: 0.1 lx (F1.6, AGC on, 1/30 s)	Colour: 0.01 lx (F1.6, AGC on, 1/30 s)	Colour: 0.1 lx (F1.6, AGC on, 1/30 s)	Colour: 0.35 lx (F1.8, AGC on, 1/30 s)	Colour: 0.25 lx (F1.6, AGC on, 1/30 s)	Colour: 0.05 lx (F1.6, AGC on, 1/30 s)
	Digital zoom	12x (360x with	optical zoom)	12x ((240x with optical zo	pom)	12x (120x with optical zoom)	12x (360x with optical zoom)	12x (240x with optical zoom)
Vid	eo output (HD)	Digital/Analog	Digital	Digital/Analog	Digital	Digital	Digital,	'Analog	Digital
Vio	leo output (SD)				VI	BS			
	Mass	260 g (9.2 oz)	255 g (9.0 oz)	270 g (9.6 oz)	265 g (9.3 oz)	270 g (9.6 oz)	210 g (7.4 oz)	260 g (9.2 oz)	270 g (9.6 oz)
	Dimensions	50 x 60 x (2 x 2 3/8 x 3		(2	50 x 60 x 87.9 mm x 2 3/8 x 3 1/2 inch	es)	45.6 x 48.8 x 78 mm (1 13/16 x 1 15/16 x 3 1/8 inches)	50 x 60 x 89.7 mm (2 x 2 3/8 x 3 5/8 inches)	50 x 60 x 87.9 mm (2 x 2 3/8 x 3 1/2 inches)
	Defog	•	•	•	•	•	•	•	•
	HLC (High Light Compensation)	•	•	•	•	•	•	•	•
D	Wide-D (Wide ynamic range)	•		•			•	•	•
1	mage stabilizer	•	•	•				•	•
	StableZoom	•	•	•	•	•	•	•	•
(4	Auto ICR Auto IR-cut Filter Removal)	•	•	•	•	•	•	•	•
Sp	herical privacy zone masking	•	•	•	•	•	•	•	•
1	Noise reduction	•	•	•	•	•	•	•	•
Slo	ow AE response	•	•	•	•	•	•	•	•
* 1	ligh sensitivity mode	e, ICR off.							

Exmor R CMOS sensor

FCB-EV7520 / FCB-EV7320



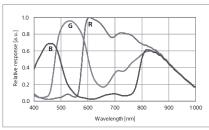




current model

Near-infrared Response

FCB-EV7520 / FCB-EV7320 / FCB-EV7310



Excludes lens characteristics and light source characteristics

Capture crisp, clear Full-HD (1080/60p) images*1

The high-performance 1/2.8-type Exmor CMOS image sensor achieves superb Full-HD (1920 x 1080) picture quality, even in lowlight environments. Progressive scanning assures smoother pictures with reduced blur - ideal for capturing the detail in moving images.

Get a steadier picture with image

The camera's built-in image stabilizer function counters the effect of blurred, shaky images caused by low-frequency vibration. This is useful for outdoor surveillance and traffic monitoring applications, particularly if the camera is used on a bridge or mounting pole where it is subjected to wind or mechanical vibration.

StableZoom

Image stabilizer and optical/digital zoom are combined to enhance picture quality while maintaining the original horizontal angle of view.

This ensures no compromise in image size, and reduces blurring.

2D/3D noise reduction

Advanced noise reduction technology filters noise from the image for clearer results, especially in low-light conditions. Noise reduction can be selected from five levels to suit a wide range of operating environments.

Wide dynamic range

Wide-D image processing technology gives the ability to see clear, detailed images in high-contrast or backlit environments. All models now support an exceptionally wide 130 dB dynamic range, which is activated via VISCA command.*3

De-fog

The de-fog feature allows clearer and natural viewing in foggy or misty scenes. When this feature is activated, the camera detects the haze level and automatically applies the required effects. Depending on user requirements, the level of these effects can be adjusted via VISCA command.

HLC (High Light Compensation)

HLC technology helps to improve, for example, the visibility of license plates when bright headlights are shot under low-light conditions. The bright parts in the image are masked and compensated for automatically to achieve better visibility.

Auto ICR (Auto IR-cut Filter Removal)

In low-light conditions, the camera automatically switches from Day to Night mode, removing the IR-cut filter to boost sensitivity for clear pictures in near-darkness. The spherical privacy zone masking feature enables areas of view to be selectively masked for privacy. Masked areas are automatically interlocked with the camera's pan/tilt/zoom movements.

Privacy Zone Masking

Privacy Zone Masking protects private objects and areas such as house windows, entrances, and exits which are within the camera's range of vision but not subject to surveillance. Privacy zones can be masked on the monitor to protect privacy.

Choice of HD and SD output modes

Video signal outputs are available in a range of HD (digital and analog) and SD formats, reducing integration cost and complexity by avoiding the need for additional analog/digital converters. Video output modes can be changed 'on the fly' during normal operation, without a hardware reboot of the camera.

Wide range of features for versatile operation

Versatile operation is ensured by a wide range of functions and adjustments, including: White Balance modes; Picture effects (E-Flip, Nega Art, Black & White, Mirror Image, Colour Enhancement); Motion Detection/Alarm; Picture freeze; Temperature readout; Slow AE response; Electronic shutter/ slow shutter; and Title display/Camera mode display (English).

^{*1} The FCB-EV5500 and FCB-EV5300 achieve crisp HD 720 picture quality.

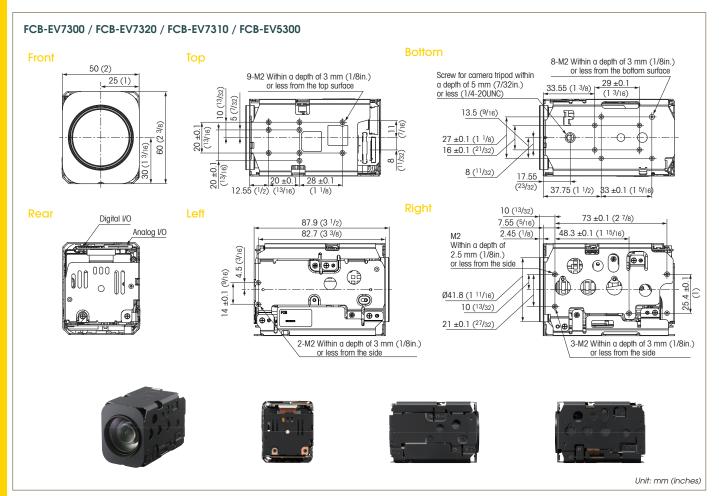
^{*2} Excludes the FCB-EV7310 and FCB-EV7100. *3 For the FCB-EV7100/FCB-EV7500, the factory default setting is 90 dB. For the FCB-EV7300/FCB-EV5500/FCB-EV5300, it is 130 dB.

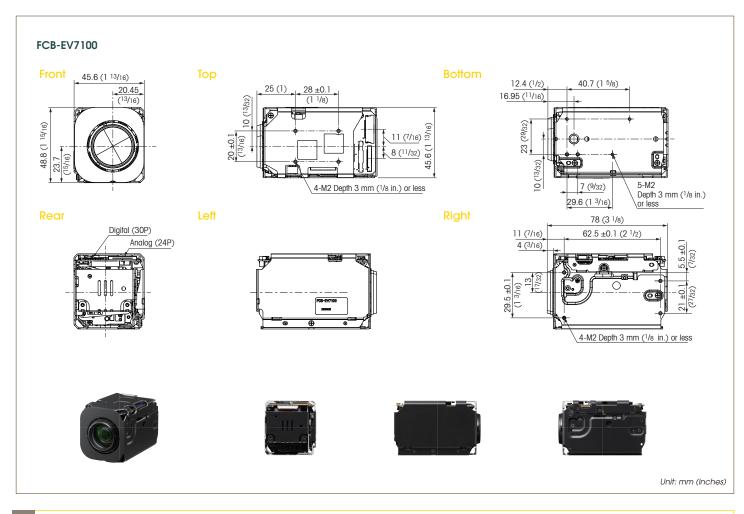
FCB-EV Series Specifications

		FCB-EV7500	FCB-EV7520	FCB-EV7300	FCB-EV7320	FCB-EV7310	FCB-EV7100	FCB-EV5500	FCB-EV5300
	Image sensor	1/2.8-type Exmor CMOS	1/2.8-type Exmor R CMOS	1/2.8-type Exmor CMOS	1/2.8-type Exmor R CMOS	1/2.8-type E	xmor CMOS	1/3.0-type E	xmor CMOS
	Image sensor ber of effective pixels)	Approx.2.38 Megapixels	Approx.2.13 Megapixels	Approx.2.38 Megapixels	Approx.2.13 Megapixels Approx.2.38 Megapixels		Approx. 1.37 Megapixels		
	Signal system	1080p/59.94,1080		 Dp/30, 1080p/29.97, 1080p/25, 1080i/59, 94, 1080i/50, 1080i/60, 10 720p/60, 720p/30, 720p/29.97, 720p/25, NTSC*1, PAL*1		80i/30, 720p/59.94, 720p/60, 720p/30, 720p/59.94, 720p/50, 720p/29.97, 720p/25, NTSC*1, PAL*1			
Minimum illumination (50%)	High sensitivity mode	Colour: 0.35 lx (F1.6, AGC on, 1/30 s)	Colour: 0.01 lx (F1.6, AGC on, 1/30s)	Colour: 0.1 lx (F1.6, AGC on, 1/30s)	Colour: 0.01 lx (F1.6, AGC on, 1/30s)	Colour: 0.1 lx (F1.6, AGC on, 1/30s)	Colour: 0.35 lx (F1.8, AGC on, 1/30 s)	Colour: 0.25 lx (F1.6, AGC on, 1/30 s)	Colour: 0.05 lx (F1.6 AGC on, 1/30 s)
	Normal mode	Colour: 1.4 lx (F1.6, AGC on, 1/30 s)	Colour: 0.1 lx (F1.6, AGC on, 1/30s)	Colour: 0.4 lx (F1.6, AGC on, 1/30s)	Colour: 0.1 lx (F1.6, AGC on, 1/30s)	Colour: 0.4 lx (F1.6, AGC on, 1/30s)	Colour: 1.4 lx (F1.8, AGC on, 1/30 s)	Colour: 1.0 lx (F1.6, AGC on, 1/30 s)	Colour: 0.2 lx (F1.6, AGC on, 1/30 s)
	S/N ratio Gain	Auto/Manual	Auto/Manual	Auto/Manual	More the Auto/Manual	an 50 dB Auto/Manual	Auto/Manual	Auto/Manual	Auto/Manual
	Guii	0 dB to 43.1 dB (0 to 28 steps +2 step/ total 15 steps)	0 dB to 50.0dB (0 to 28 steps +2 step/ total 15 steps)	0 dB to 48.8 dB (0 to 28 steps +2 step/ total 15 steps)	0 dB to 50.5dB (0 to 28 steps +2 step/ total 15 steps)	0 dB to 47.8 dB (0 to 28 steps +2 step/ total 15 steps)	0 to 43.5 dB (0 to 28 steps +2 step/ total 15 steps)	0 dB to 47.0 dB (0 to 28 steps +2 step/ total 15 steps)	0 dB to 51.9 dB (0 to 28 steps +2 step/ total 15 steps)
		Max. Gain Limit 9.2 to 43.1 dB (6 to 28 steps +2 step/ total 12 steps)	Max. Gain Limit 10.7 dB to 50.0 dB (6 to 28 steps +2 tep/ total 12 steps)	Max Gain Limit 17.4 dB to 48.8 dB (6 to 28 steps +2 steps/total 12 steps)	Max Gain Limit 10.8 dB to 50.5 dB (6 to 28 steps +2 steps/total 12 steps)	Max Gain Limit 17.1 dB to 47.8 dB (6 to 28 steps +2 steps/total 12 steps)	Max. Gain Limit 9.3 to 43.5 dB (6 to 28 steps +2 step/ total 12 steps)	Max. Gain Limit 10.1 to 47.0 dB (6 to 28 steps +2step/ total 12 steps)	Max Gain Limit 18.5 dB to 51.9 dB (& to 28 steps +2 step/ total 12 steps)
	Shutter speed					000 s, 22 steps			
	Sync system			uto Manual Direct		ernal	nomportable 01- *	E	
	posure control compensation		<i>F</i>	luto, Manual, Priority m		iris priority), Bright, EV	compensation, Slow A	lE .	
	perture control					iteps			
	White balance		Auto, ATW	, Indoor, Outdoor, Out		oor Lamp (Fix/Auto/Ou	ıtdoor Auto), One-pusl	n, Manual	
	Lens	30x option f = 4.3 mm (wide) F1.6 to		f = 4.7	20x optical zoom mm (wide) to 94.0 mn F1.6 to F3.5	n (tele)	10x optical zoom f = 3.8 mm (wide) to 38 mm (tele) F1.8 to F3.4	30x optical zoom f = 4.3 mm (wide) to 129.0 mm (tele) F1.6 to F4.7	20x optical zoom f = 4.7 mm (wide) to 94.0 mm (tele) F1.6 to F3.5
	Digital zoom	12x (360x with	optical zoom)	12x	(240x with optical zoo	om)	12x (120x with optical zoom)	12x (360x with optical zoom)	12x (240x with optical zoom)
For	ocusing system		Auto (Sens	l itivity: normal, low), On	e-push AF, Manual, Int	erval AF, Zoom Trigger			J 0p001200111)
Horizontal viewing angle	1080p mode	63.7° (wide end)	to 2.3° (tele end)	59.5° ((wide end) to 3.3° (tele	e end)	67.0° (wide end) to 7.6° (tele end)		-
ungic	720p mode	63.7° (wide end)	to 2.3° (tele end)	59.5° ((wide end) to 3.3° (tele	e end)	67.0° (wide end) to 7.6° (tele end)	58.3° (wide end) to 2.1° (tele end)	54.1° (wide end) to 2.9° (tele end)
	SD	47.8° (wide end)	to 1.7° (tele end)	44.6° ((wide end) to 2.5° (tele	e end)	50.3° (wide end) to 5.7° (tele end)	58.3° (wide end) to 2.1° (tele end)	54.1° (wide end) to 2.9° (tele end)
Minimum ob	bject distance	10 mm (wide end) to (Default:		10 mm (w	ide end) to 1,000 mm (Default: 300 mm)	(tele end)	10 mm (wide end) to 800 mm (tele end) (Default: 320 mm)	10 mm (wide end) to 1200 mm (tele end) (Default: 300 mm)	10 mm (wide end) to 1,000 mm (tele end) (Default: 300 mm)
	Auto ICR Wide-D*2	Ves (120 dP)	Nie	Vee	1	es	I	Vec (120 dD)	
Visib	bility Enhancer	Yes (130 dB)	No	Yes		lo es		Yes (130 dB)	
					Ye	es			
	De-fog HLC				Ye	es			
	HLC loise reduction					steps)			
	HLC loise reduction ge stabilization		Yes		Yes (6	steps)		Ye	es
Imag	HLC loise reduction		Yes		Yes (6	steps) No		Ye	es
Imag Spherica	HLC loise reduction ge stabilization StableZoom al privacy zone masking		Yes		Yes (6	steps) No es		Y.	9S
Imag Spherica	HLC loise reduction ge stabilization StableZoom al privacy zone		Yes		Yes (6	steps) No		Y	98
Spherica Mo:	HLC loise reduction ge stabilization StableZoom al privacy zone masking otion detection Alarm w AE response		Yes		Yes (6	steps) No es es es es es		Y	98
Spherica Mo:	HLC loise reduction ge stabilization StableZoom al privacy zone masking otton detection Alarm w AE response Picture effects		Yes	E-Flip, Nego	Yes (6 Ye Ye Ye Ye a Art, Black & White, Mi	steps) No es es es es rror image, Colour ent	nancement	, Ya	395
Spherica Mo:	HLC loise reduction ge stabilization StableZoom al privacy zone masking otion detection Alarm w AE response		Yes	E-Flip, Nego	Yes (6 Ye Ye Ye Ye a Art, Black & White, Mi	steps) No es es es es es	nancement	, Ya	98
Imag Spherica Mo Slov	HLC loise reduction ge stabilization StableZoom all privacy zone masking otion detection Alarm w AE response Picture effects Picture freeze		Yes	E-Flip, Nego	Yes (6 Yes (6 Yes (6) Yes (6) Yes (7) Yes (8)	steps) No es es es es rror image, Colour entes	nancement	Y Y	28
Spherica Mo Slov Temper	HLC loise reduction ge stabilization StableZoom Alarm w AE response Picture effects Slow shutter rature readout Title display		Yes	E-Flip, Nego	Yes (6	steps) No es	nancement	, W	38
Imag Spherica Mo: Slov Temper	HLC loise reduction ge stabilization Stable/Zoom al privacy zone masking otion detection Alarm w AE response Picture effects Picture freeze Slow shutter radure readout Title display		Yes	E-Flip, Nego	Yes (6	steps) No es	nancement	, w	98
Imag Spherica Mo Slov Temper Camera Key	HLC loise reduction ge stabilization StableZoom Alarm w AE response Picture effects Slow shutter rature readout Title display		Yes	E-Flip, Nego	Yes (6	steps) No es	nancement	, w	98
Imag Spherica Mo Slov Temper Camera Key	HLC loise reduction ge stabilization StableZoom all privacy zone masking otion detection Alarm w AE response Picture effects Picture freeze Slow shutter radure readout Title display mode display switch control	Analog: Component (Y/Ps/ Pr)	Yes N/A	Analog: Component (Y/Ps/ Ps)	Yes (6	steps) No es es es es es es es es es en, max. 11 lines es	nancement Analog: Comp	onent (Y/Ps/Pr)	N/A
Imag Spherica Mo' Slov Temper Camera Key Camera op Video	HLC loise reduction ge stabilization StableZoom all privacy zone masking allotion detection Alarm w AE response Picture effects Picture freeze Slow shutter radrure readout Title display mode display switch control peration switch	Component (Y/PB/	N/A	Analog: Component (Y/Ps/ Ps) Digital: Y/Cs/C	Yes (6	steps) No es		onent (Y/Ps/Ps) Digital: Y/Cs/C	
Spherica More Slov Temper Camera Key Camera op Video output	HLC loise reduction ge stabilization StableZoom al privacy zone masking otton detection Alarm w AE response Picture effects Slow shutter rature readout Title display mode display switch control beration switch HD	Component (Y/PB/	N/A	Analog: Component (Y/Ps/ Ps) Digital: Y/Cs/C	Yes (6	steps) No es		onent (Y/Ps/Ps) Digital: Y/Cs/C	N/A 8 4:2:2 via (VDS
Spherica More Slov Temper Camera Key Camera op Video output	HLC loise reduction ge stabilization StableZoom all privacy zone masking stion detection Alarm w AE response Picture effects Picture freeze Slow shutter rature readout Title display mode display switch control beration switch	Component (Y/PB/	N/A	Analog: Component (Y/Pa/ Pa) Digital: Y/Ca/C gnal format conforms t	Yes (6 Yes (6 Yes (6 Yes (6 Yes (7 Yes (7	steps) No es	Analog: Comp	onent (Y/Ps/Ps) Digital: Y/Cs/C	N/A 8 4:2:2 via (VDS
Spherica More Slove Temper Camera Key Camera op Video output	HLC loise reduction ge stabilization StableZoom StableZoom all privacy zone masking all privacy zone masking blion detection Alarm w AE response Picture effects Picture effects Picture freeze Slow shutter radrure readout Title display mode display switch control beration switch HD SD SD	Component (Y/PB/	N/A	Analog: Component (Y/Pa/ Pa) Digital: Y/Ca/C gnal format conforms t	Yes (6 Yes (6 Yes (6 Yes (6 Yes (6 Yes (7 Yes (7	steps) No es	Analog: Comp	onent (Y/Ps/Ps) Digital: Y/Cs/C	N/A 8 4:2:2 via (VDS
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Spherica Mo Slov Temper Camera Key Camera op Video oulput Camera co	HLC loise reduction ge stabilization StableZoom StableZoom all privacy zone masking other stable stable HD Alarm W AE response Picture effects Picture effects Picture freeze Slow shutter radure readout Title display mode display switch control beration switch HD SD ontrol interface	Component (Y/Ps/Pr)	N/A (Sig	Analog: Component (Y/Ps/ Ps) Digital: Y/Cs/C gnal format conforms t Baud rate: 3.0 W (zoom/focus	Yes (6 Yes (6 Yes (6 Yes (6 Yes (6 Yes (7 Yes (7	steps) No es	Analog: Composition bit: 1 bit 3.4 W (zoom/focus	onent (Y/Ps/Pir) Digital: Y/Cs/C (Signal format conf	N/A n 4:2:2 via IVDS orms to SMPTE 296.)
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Image Spherica Mo Slov Temper Camera Key Camera op Video output Camera co Power Power Operating Storage Opera	HLC loise reduction ge stabilization StableZoom all privacy zone masking all privacy zone masking blion detection Alarm w AE response Picture effects Picture freeze Slow shutter radrure readout Title display mode display switch control peration switch HD SD control interface or requirements r consumption g temperature te temperature et temperature atting humidity	Component (Y/Ps/Ps) Pi) 2.9 W (zoom/focus inactive) 3.7 W (zoom/focus active)	N/A (Signal State of	Analog: Component (Y/Ps/Ps) Ps) Digital: Y/Cs/C gnal format conforms t Baud rate: 3.0 W (zoom/focus inactive) 3.5 W (zoom/focus active)	Yes (6 Yes (6 Yes (6 Yes (6 Yes (6 Yes (6 Yes (7 Yes (7	steps) No es	Analog: Composite 1 bit 3.4 W (zoom/facus inactive) 3.7 W (zoom/facus active) 45.6 x 48.8 x 78.0 mm (1 13/16 x 3 1/8	Digital: Y/Cs/C (Signal format conf	N/A a 4:2:2 via LVDS orms to SMPTE 296.) 1.9 W (zoom/facus inactive) 2.4 W (zoom/facus
Image Spherica Mo Slov Temper Camera Key Camera op Video output Camera co Power Power Operating Storage Opera	HLC loise reduction ge stabilization StableZoom all privacy zone masking all privacy zone masking all privacy zone masking blion detection Alarm w AE response Picture effects Picture effects Picture effects Picture effects Picture effects Alarm w AE response Picture effects Picture effects Picture effects Alarm w AE response Picture effects Ficture effects Slow shutter radure readout Title display mode display switch control peration switch HD SD pontrol interface or requirements or consumption g temperature te temperature te temperature te temperature tating humidity prage humidity	Component (Y/Ps/Ps) Pi) 2.9 W (zoom/focus inactive) 3.7 W (zoom/focus active)	N/A (Sig 3.2 W (zoom/focus inactive) 4.0 W (zoom/focus active)	Analog: Component (Y/Ps/Ps) Ps) Digital: Y/Cs/C gnal format conforms t Baud rate: 3.0 W (zoom/focus inactive) 3.5 W (zoom/focus active)	Yes (6 Yes (6 Yes (6 Yes (6 Yes (6 Yes (6 Yes (7 Yes (7	steps) No es	Analog: Compion bit: 1 bit 3.4 W (zoom/focus inactive) 3.7 W (zoom/focus active) 45.6 x 48.8 x 78.0 mm (1 13/16 x	Digital: Y/Ca/C (Signal format conf 2.9 W (zoom/focus inactive) 3.5 W (zoom/focus active) 50.0 x 60.0 x 89.7 mm (2 x 2 3/8 x 3	N/A a 4:2:2 via LVDS orms to SMPTE 296.) 1.9 W (zoom/focus inactive) 2.4 W (zoom/focus active) 50.0 x 60.0 x 87.9 mm (2 x 2 3/8 x 3

^{*1} Non-standard video format *2 Wide dynamic range

FCB-EV7500 / FCB-EV7520 / FCB-EV5500 8-M2 Within a depth of 3 mm (1/8in.) or less from the bottom surface **Bottom** 50 (2) 9-M2 Within a depth of 3 mm (1/8in.) 33.55 (13/8) 29 ±0.1 (13/16) 25 (1) or less from the top surface 8 (11/32) 13.5 (%) 16) 27 ±0.1 (1 1/8) 16 ±0.1 (1/32) 17.55 ±0.1 20 ±0.1 28 ±0.1 (23/32) 12.55 (1/2) (13/16) 37.75 ±0.1 (1/2) 33 ±0.1 (15/16) 89.7 (35/8) Left Right 11.8 (15/32) |-2-M2 Within a depth of 3 mm (1/8in.) or less from the side Digital I/O 73 ±0.1 (2⁷/8) 7.55 (6/16) Analog I/O 48.3 ±0.1 (1¹⁵/16) 82 7 (33/8) 4.3 (3/16) 10 (13/32) 21 ±0.1 (7/32) 46.5° (17/8°) ±0.1 (1/16) 72.9° (27/8°) 25.4 ±0. Ø45.6(113/16) Ø41.7 (111/16) 4-M2 Within a depth of 3 mm (1/8in.) or less from the side Unit: mm (inches)





CN401	ı
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Pin No.	Name	Level
1	TXOUT3+	
2	TXOUT3-	
3	TXCLKOUT+	
4	TXCLKOUT-	
5	TXOUT2+	
6	TXOUT2-	
7	TXOUT1+	
8	TXOUT1-	
9	TXOUT0+	
10	TXOUT0-	
11	GND	
12	TxD	CMOS 5 V (Low: Max. 0.1 V, High: Min. 4.4 V)
13	RxD	CMOS 5 V (Low: Max. 1.0 V, High: Min. 2.3 V)
14	DC IN	6 to 12 V DC
15	DC IN	6 to 12 V DC
16	DC IN	6 to 12 V DC
17	DC IN	6 to 12 V DC
18	DC IN	6 to 12 V DC

Pin No.

19

20

21

22

23

24

25 NC

26

27

28

29

30

Name

GND

GND

TXOUT7+

TXOUT7-

TXOUT6+

TXOUT6-

RESET

TXOUT5+

TXOUT5-

TXOUT4+

TXOUT4-

Level

Single out mode:

Single out mode: open

Single out mode open

Single out mode:

open Single out mode:

open
Single out mode: open

Reset: Low (GND) Normal: Open (1.8 V)

open
Single out mode

open
Single out mode: open

Connector: USL00-30L-C (KEL Co.)

CN501

FCB-EV7520, FCB-EV7320

Pin No.	Name	Level
1	GND	
2	TxD	CMOS 5 V (Low: Max. 0.1 V, High: Min. 4.4 V)
3	RxD	CMOS 5 V (Low: Max. 1.0 V, High: Min. 2.3 V)
4	RESET	Reset: Low (GND) Normal: Open (1.8 V)
5	GND	
6	NC	
7	GND	
8	NC	
9	GND	
10	VBS-OUT	
11	GND	
12	NC	
13	GND	
14	NC	
15	GND	
16	NC	
17	GND	
18	DC IN	6 to 12 V DC
19	DC IN	6 to 12 V DC
20	DC IN	6 to 12 V DC
21	DC IN	6 to 12 V DC
22	GND	
23	DC IN	6 to 12 V DC
24	GND	

Connector: 046240024006800+ (Kyocera-elco)

FCB-EV7500, FCB-EV7300, FCD-EV7310, FCB-EV7100, FCB-EV5500, FCB-EV5300

Pin No.	Name	Level
1	GND	
2	TxD	CMOS 5 V (Low: Max. 0.1 V, High: Min. 4.4 V)
3	RxD	CMOS 5 V (Low: Max. 1.0 V, High: Min. 2.3 V)
4	RESET	Reset: Low (GND) Normal: Open (1.8 V)
5	GND	
6	NC	
7	GND	
8	NC	
9	GND	
10	VBS-OUT	
11	GND	
12	Y-OUT	HD Analog Component
13	GND	
14	Pb-OUT	HD Analog Component
15	GND	
16	Pr-OUT	HD Analog Component
17	GND	
18	DC IN	6 to 12 V DC
19	DC IN	6 to 12 V DC
20	DC IN	6 to 12 V DC
21	DC IN	6 to 12 V DC
22	GND	
23	DC IN	6 to 12 V DC
24	GND	

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