

# DCB-F800



## HD-SDI MINIATURE CAMERA

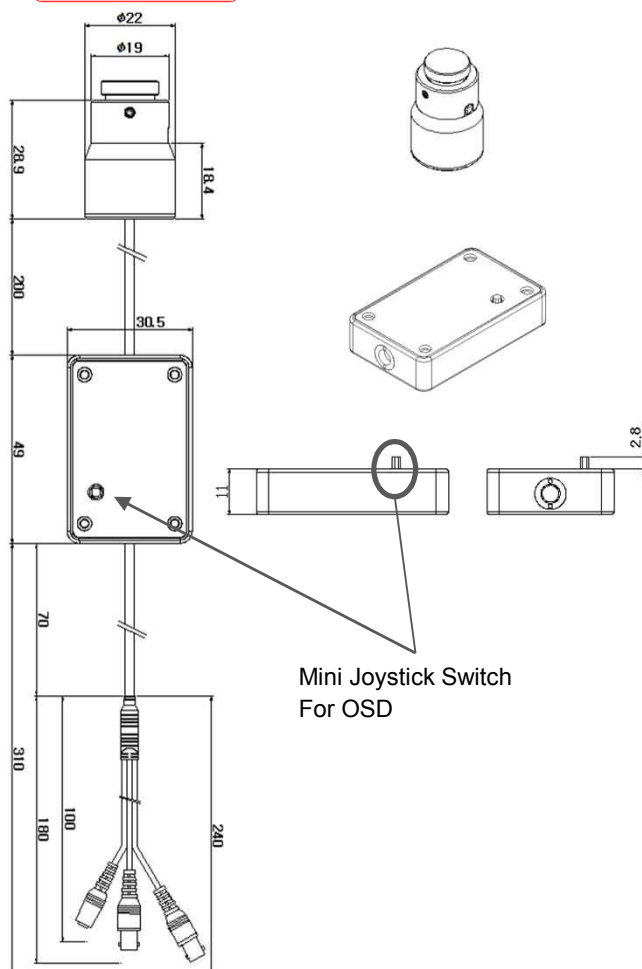


### Main Features

- 1/2.8" Sony 2.9µm Pixel Progressive Starvis Color CMOS Sensor
- 2Mega Pixels – Maximum 1080p(1920x1080p)
- Fixed Board Lens
- WDR / 3D-NR / DSS(Sens-up) Supported
- Built-in OSD Switch
- HD/3G-SDI Video Out Supporting standard SMPTE protocol
- Analog Composite Video Out Supported



### Dimension



### Option

- Other Fixed focal length lens  
f=1.1 / 2.1 / 2.5 / 2.8 / 4 / 6 / 8 / 12 / 16 / 25mm
- SDI Cable with UART(RS-232C) Port

### Specifications

Model	DCB-F800
Signal System	HD/3G-SDI (Serial Data Interface) or EX-SDI
Pickup Device	<b>1/2.8"(D-6.46mm) 2.13M Sony Color CMOS Sensor</b>
Scanning System	Progressive Scan (16:9)
Sync. System	Internal
Total Pixels	2.15M [1945(H)x1109(V)]
Effective Pixels	2.13M [1945(H)x1097(V)]
Min. Illumination	<b>0.1Lux(F2.5 – 30IRE), 0.001Lux (DSS on)</b>
Mechanical ICR	N/A
S/N Ratio	More than 50dB (AGC off)
Video Out 1	<b>HD/3G-SDI or EX-SDI: 1080p@25/30/50/60, 720p@25/30/50/60</b>
Video Out 2	Composite Video 1V p.p (NTSC/PAL - 75Ω)
Lens	<b>Fixed f=3.6mm board type, F2.5</b>
Lens (Mount)	Board Mount(M12)
OSD	<b>107.2°(D), 90.5°(H), 49.3°(V)</b>
Camera Title	Off, On(Max. 8 Characters)
Language	English, Chinese(Simplified), Chinese(Traditional), Japanese, Korean
Exposure	Auto (ELC)
White Balance	AWB, ATW, Push Lock, Manual
BLC	Off, HLC, BLC, WDR * WDR is not operated when manual shutter mode or CVBS output mode is selected.
Day & Night Mode	AUTO, COLOR, B/W
Gain Control	AGC (0~10)
Electronic Shutter	1/25(30)~1/30,000sec
Noise Reduction	<b>3DNR (Off, Low, Middle, High)</b>
DSS(Sens-up)	<b>X32</b>
Mirror	Off, On(Mirror, Flip)
Other Features	Motion Detection (4 Zones), Privacy Mask (16 Zones), Flickerless, Lens Shading, Gamma, D-zoom, Defog etc.
Communication	Option Pelco-D and Parantek Serial Protocol Supported RS-232C (Default: 9600bps)
Power Source	DC9V ~ 15V
Power Consumption	Less than 1.8Watts (150mA@DC12V)
Operating Temp.	-10℃ ~ 55℃ (Humidity :0%RH ~ 90%RH)
Size (mm)	Camera Head : 22Ø x 28.9mm (w/o Lens) Main Body : 49(W) x 30.5(D) x 11(H)
Weight	108g (Giftbox Packing)

SETUP MENU	SUB MENU1	SUB MENU2	SUB MENU3	VALUE
EXPOSURE	BRIGHTNESS			0 ~ 20
	SHUTTER MODE			AUTO/ MANUAL/FLICKER
	SHUTTER SPEED			1/30(25),60(50),120(100),250,700,1K,1.6K,2.5K,5K,7K,10K,30K
	DSS			OFF/ X2/ X4/ X8 / X16 / X32
	AGC			OFF / 2dB / 4dB/ ~ / 42dB
	INITIAL			
WHITE BALANCE	MODE			AUTO / PUSH LOCK / MANUAL
	PUSH AUTO	PUSH		Press ENTER Key
	COLOR GAIN			0 ~ 20
	RED GAIN			0 ~ 20
	BLUE GAIN			0 ~ 20
	INITIAL			
WDR / BLC	MODE			OFF / BLC / HLC / WDR
	LEVEL			BLC(0~10), HLC(0~20), WDR(0~4)
	BLC POSITION	H-POS		0 ~ 20
		V-POS		0 ~ 20
		H-SIZE		0 ~ 20
		V-SIZE		0 ~ 20
	HLC COLOR			BLK/D.GRAY/L.GRAY/WHT/YEL/CYN/GRN/MAG/RED/BLU
	INITIAL			
DAY & NIGHT	MODE			AUTO / COLOR / B/W
	DWELL TIME			0 ~ 20
	DAY -> NIGHT			1 ~ 28
	NIGHT -> DAY			0 ~ 27
	INITIAL			
IMAGE	SHARPNESS			0 ~ 10
	D-ZOOM			1~16X
	FREEZE			OFF/ ON
	GAMMA			0.45/0.5 / 0.55/ 0.6 / 0.65/ 0.7 / 0.75
	FLIP			OFF/ H-FLIP / V-FLIP / HV-FLIP
	DNR			OFF/ LOW/ MIDDLE/ HIGH
	ACE			OFF/ LOW/ MIDDLE/ HIGH
	DEFOG	OFF		
		ON	AUTO / MANUAL	
			LEVEL	LOW/ MIDDLE/ HIGH
	SHADING	OFF		
		ON		WEIGHT 0~100%
	INITIAL			

SETUP MENU	SUB MENU1	SUB MENU2	SUB MENU3	VALUE
SPECIAL	CAM TITLE			0 ~ 9, A ~ Z, Blank
	MOTION	OFF		
		DET WINDOW	WINDOW USE	0 ~ 3
			WINDOW ZONE	OFF/ ON
			DET H-POS	0 ~ 60
			DET V-POS	0 ~ 34
			DET H-SIZE	0 ~ 60
			DET V-SIZE	0 ~ 34
		SENSITIVITY		0 ~ 10
		MOTION OSD		OFF/ON
		MOTION OSD COLOR		BLK/D.GRAY/L.GRAY/WHT/YEL/CYN/GRN/MAG/RED/BLU
		TEXT ALARM		OFF/ ON
		INITIAL		
	DIS	MODE		OFF/ ON
		RANGE		10% / 20% / 30%
		FILTER		LOW/ MIDDLE/ HIGH
		AUTO C	(Auto Control)	OFF/ HLAF/ FULL
		INITIAL		
	PRIVACY	BOX	OFF	
			MASK SEL	0 ~ 15
			MASK MODE	OFF/ ON
			H-POS	0 ~ 60
			V-POS	0 ~ 34
			H-SIZE	0 ~ 40
			V-SIZE	0 ~ 34
			Y LEVEL	0 ~ 20
			CB LEVEL	0 ~ 20
			CR LEVEL	0 ~ 20
			TRANS	0 ~ 3
		POLYGON	OFF	
			MASK SEL	0 ~ 7
			MASK MODE	OFF/ ON
			POS0-X ~ POS3-X	0 ~ 120
			POS0-Y ~ POS3-Y	0 ~ 68
			Y LEVEL	0 ~ 20
			CB LEVEL	0 ~ 20
			CR LEVEL	0 ~ 20
			TRANS	0 ~ 3
SYSTEM	LANGUAGE			ENGLISH/ CHINESE(T)/ CHINESE(S)/ JAPANESE
	COMMUNL	CAM ID		0 ~ 255
		BAUDRATE		2400,4800,9600,19200,38400,57600,115200
	CVBS			OFF/ ON
	CVBS SCALE			SCALE DOWN/ CENTER CUT
	FRAME RATE			1080_60p(50p),60i(50i),30p(25p) / 720_60p(50p),30p(25p)
	FREQ(NT/PAL)			60Hz(NTSC)/ 50Hz(PAL)
	SDI OUT			HD-SDI / EX-SDI
	APPLY			
	REBOOT			
FACTORY DEFAULT				Reset to factory setting
EXIT				Exit SETUP menu