

IPX-RF1Y7-2.8

OUTDOOR SDI CAMERA

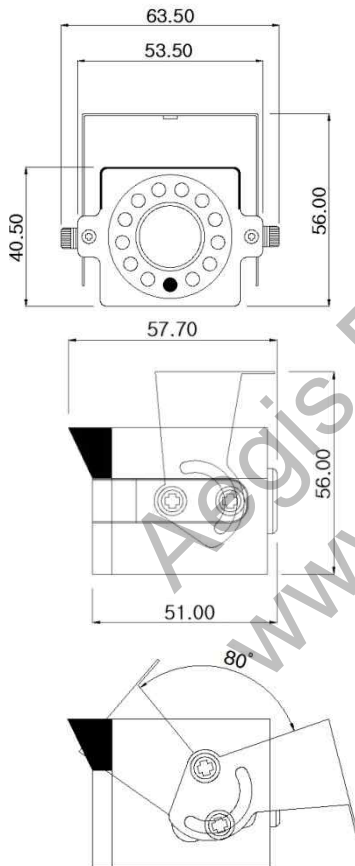


Main Features

- 1/2.8" 2MP Sony Starvis CMOS Sensor
- 2 Mega Pixels (Max. 1080p25/30)
- f=2.8mm M/P Lens (ICR)
- 12pcs of 850nm IR LEDs
- WDR, DSS(Sens-up), 3DNR Supported
- OSD Supported (Optional)
- HD-SDI / EX-SDI Ver. 1 / EX-SDI Ver. 2 Video Outs Supported
- CVBS or AHD, TVI, CVI Video Out can be selectable
- Water-proof Housing (IP66)



Dimension



Option

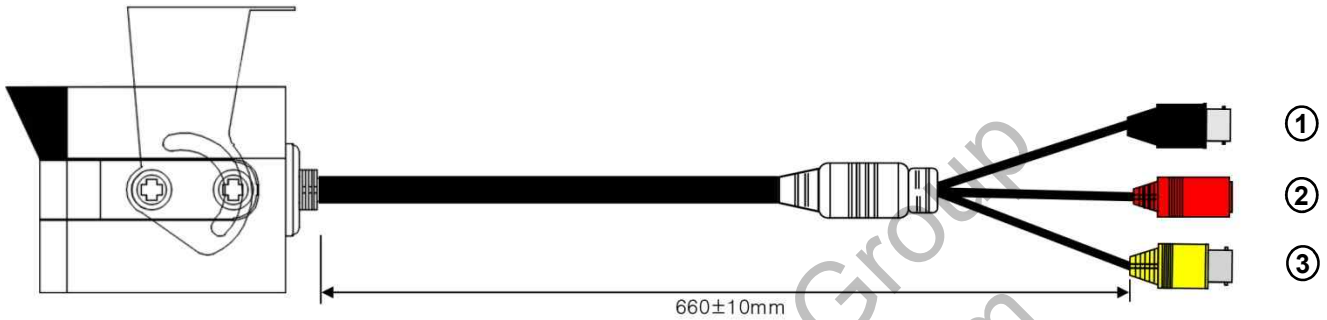
- Lens (Fixed)
f= 3.6mm, 4mm, 6mm, 8mm, 12mm, 16mm, 25mm
- Wall-mount Bracket
- Cable Length
- Isolated Power Board (DC9~36)

Specifications

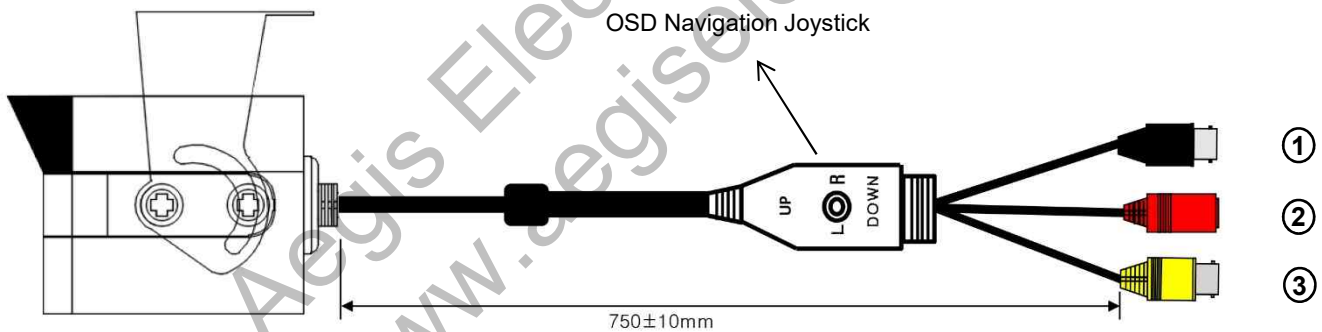
Model	DCR-RF1Y7-2.8	DCR-RF1Y7-2.8O
Signal System	HD-SDI (Serial Digital Interface)	
Pickup Device	1/2.8"(D-6.46mm) 2.12M Sony CMOS Sensor	
Scanning System	Progressive Scan (16:9)	
Sync. System	Internal	
Total Pixels	2.16MP [1,945(H)x1,109(V)]	
Active Pixels	2.12MP [1,937(H)x1,097(V)]	
Min. Illumination	0.01Lux(F2.5 - 30IRE), 0Lux(IR on)	
No. of IRED	12ea (850nm)	
Video Out 1 (BNC)	HD-SDI: 1080p25/30, 720p25/30, 720p50/60, 1080i50/60 EX-SDI: 1080p25/30/50/60, 720p25/30/50/60, 1080i50/60	
Video Out 2 (BNC)	Analog CVBS or AHD, TVI, CVI AHD, TVI and CVI: 1080p@25/30 / Analog CVBS: D1	
Lens	f=2.8mm, F2.5 (ICR)	
Lens (Mount)	Board type (M12)	
Angle of View	123.5°(D), 104°(H), 59°(V)	
OSD	N/A	OSD Cable
Camera Title	Off, On(Max. 8 Characters)	
Language	English, Chinese(Simplified), Chinese(Traditional), Japanese, Korean	
Exposure	ELC (Manual)	
White Balance	AWB, ATW, Push Lock, Manual	
BLC	Off, HLC, BLC, WDR	
Day & Night Mode	AUTO, COLOR, B/W, EXT	
Gain Control	AGC (0~10)	
Electronic Shutter	1/25(30)~1/25,600(30,000)sec	
Noise Reduction	3DNR (Off, Low, Middle, High)	
DSS(Sens-up)	X32	
Mirror	Off, On(Mirror, Flip, Rotation)	
Other Features	Motion Detection (4 Zones), Privacy Mask (16 Zones), ACE, D-Zoom, Defog, Gamma, Shading etc.	
Communication	N/A	
Power Source	DC12V	
Power Consumption	Less than 2.8 Watts (230mA)	
Operating Temp.	-10°C ~55°C (Humidity :0%RH ~ 90%RH)	
Size (mm)	64.4(W) x 64.4(H) x 70(D) (Without Bracket)	
Weight	266g (Giftbox Packing)	276g (Giftbox Packing)

Cable Connection Interface

DCR-RF1Y7-2.8



DCR-RF1Y7-2.80



	Function	I/O	Note	Remarks
①	VIDEO	OUT	Digital SDI VIDEO	
②	POWER	IN	DC POWER INPUT	DC12V
③	VIDEO	OUT	Analog CVBS VIDEO	

SETUP MENU	SUB MENU 1	SUB MENU 2	SUB MENU 3	VALUE	
EXPOSURE	BRIGHTNESS			0 ~ 20	
	SHUTTER	AUTO		NORMAL/DEBLUR	
		MANUAL		NTSC : 1/30,60,120,250,500,1K,2K,4K,8K,15K,30K PAL : 1/25,50,100,200,400,800,1.6K,3.2K,6.4K,12.8K,25.6K	
		FLICKER			
	SENS-UP			OFF/ X2/ X4/ X8 / X16 / X32	
	AGC			0 ~ 10	
BACKLIGHT	OFF				
	HLC	LEVEL		0 ~ 20	
		COLOR		BLK,WHT,YEL,CYN,GRN,MAG,RED,BLU	
	BLC	H-POS		0 ~ 20	
		V-POS		0 ~ 20	
		H-SIZE		0 ~ 20	
		V-SIZE		0 ~ 20	
	WDR	WEIGHT		LOW/ MIDDLE/ HIGH	
DAY&NIGHT	AUTO	D>N THRES		0(bright) ~ 20(dark)	
		N>D THRES		0(bright) ~ 20(dark)	
		DELAY		0 ~ 9sec, 10sec, 15sec	
		BURST		OFF/ON	
	COLOR				
	B&W	BURST		OFF/ON	
	EXT.D&N	SMART IR		OFF/ON	
		SAT. LEVEL		0 ~ 20	
		EXTERN SW		HIGH/LOW	
		DELAY		0 ~ 9sec, 10sec, 15sec	
		BURST		OFF/ON	
WHITE BAL	AWB	AUTO			
		AUTOext			
		PRESET		Press ENTER key	
		C-TEMP.		3000K/ 5000K/ 8000K	
		MANUAL	R-GAIN		0 ~ 20
			B-GAIN		0 ~ 20
	COLOR GAIN			0 ~ 20	
DNR				OFF/ LOW/ MIDDLE/ HIGH	
IMAGE	SHARPNESS			0 ~ 10	
	GAMMA			0.45/ 0.55/ 0.65/ 0.75	
	MIRROR				
	FLIP				
	D-ZOOM			1.0X ~ 16.0X	
	ACE			OFF/LOW/ MIDDLE/ HIGH	
	DIS (DCC-1Y60 only)	OFF			
		ON	RANGE		10%, 20%, 30%
			FILTER		LOW/ MIDDLE/ HIGH
	AUTO C			OFF/ HALF/ FULL	
	DEFOG	OFF			
		ON	MODE		AUTO/MANUAL
			LEVEL		LOW/ MIDDLE/ HIGH
	SHADING	OFF			
		ON	WEIGHT		0~100% (100%)

SETUP MENU	SUB MENU 1	SUB MENU 2	SUB MENU 3	VALUE	
IMAGE	PRIVACY	BOX	OFF/ON		
			ZONE NUM	0~15	
			ZONE DISP	OFF/ON	
			H-POS	0~60	
			V-POS	0~34	
			H-SIZE	0~60	
			V-SIZE	0~34	
			Y LEVEL	0~20	
			CB LEVEL	0~20	
			CR LEVEL	0~20	
		TRANS	0~3		
		POLYGON	OFF/ON		
			ZONE NUM	0~7	
			ZONE DISP	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				
MOTION	OFF				
	ON	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 (5)		
	MOTION OSD		OFF/ON		
	TEXT ALARM		OFF/ON		
SYSTEM	COMM	CAM ID		0 ~ 255 (1)	
		BAUDRATE		2400,4800,9600,57600,115200	
		CAM ID DISPLAY		OFF/ON	
	OUTPUT	FRAME RATE	HD-SDI		1080P_30(25), 1080i_60((50). 720P_60(50), 720P_30(25),
			EX-SDI		1080P_60(50), 1080P_30(25), 1080i_60(50), 720P_60(50), 720P_30(25)
		FREQ		50Hz(PAL) / 60Hz(NTSC)	
		SDI MODE		HD-SDI / EX-SDI	
		SDI OUT MODE	EX-SDI		135M(V2.0), 135M+(V2.1), 270M(V1.0)
			HD-SDI		Fixed [1.5G]
			1080p60(50)		Fixed [270M]
	ANALOG MODE		CVBS, HD_T, HD_C, HD_A		
	CVBS OUT MODE		CUT, FULL		
	LANGUAGE			ENGLISH, CHINESE, CHINESE(S), JAPANESE, KOREAN	
	CAM TITLE	OFF			
		RIGHT UP			0 ~ 9, A ~ Z, blank
LEFT DOWN				0 ~ 9, A ~ Z, blank	
FACTORY DEFAULT				Reset to factory setting	
EXIT				Exit SETUP menu	