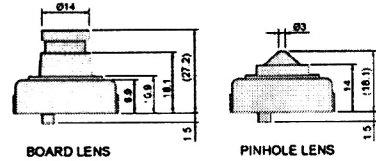
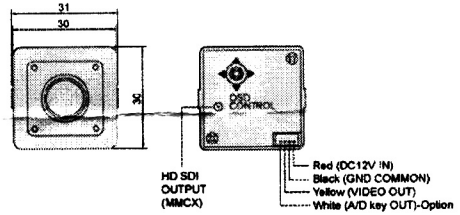
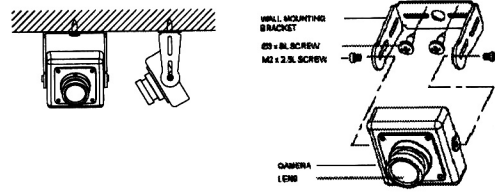


### 1. GENERAL SPECIFICATIONS

Camera	Image Device	1/2.8" type SONY CMOS (IMX327)	
	Scanning System	Progressive Scan	
	Total Pixels	1945(H) x 1109(V) : 2.16 Mega pixel	
	Effective Pixels	1945(H) x 1097(V) : 2.13 Mega pixel	
	Lens fitted	Board, Pinhole	
	Min. Illumination	0.0073Lux@F2.5, 30IRE	
	Sync System	Internal	
Video	Electronic Shutter	60Hz : 1/30-1/30,000sec, 50Hz : 1/25-1/30,000sec	
	Output 1	3G-SDI/ HD-SDI(max. 1080@60p/50p), EX-SDI 3.0	
Video	Output 2	CVBS (NTSC, PAL)	
	Resolution& frame rate	1080@60i/50i, 1080@60p/50p, 1080@30p/25p, 720@60p/50p, 720@30p/25p	
	DSP	Eyenix EN781F	
OSD (option)	On Screen Display	Built-in	
	Language	English, Chinese, Chinese(S), Japanese, Korean, Russian	
	LENS	DC/MANUAL	
	EXPOSURE	BRIGHTNESS/AGC/SHUTTER MODE&SPEED/SENS-UP	
	WHITE BALANCE	AWB/ATW/PUSH LOCK/MANUAL	
	BACKLIGHT	OFF/HLC/BLC/WDR, ROI	
	DNR	OFF/LOW/MIDDLE/HIGH	
	DAY&NIGHT	AUTO/COLOR/B&W	
	IMAGE	SHARPNESS/COLOR LEVEL/MIRROR/FLIP/LENS SHADING/GAMMA/D-ZOOM/ACE/DEFOG	
	SPECIAL	PRIVACY/MOTION/DIS	
	SYSTEM	SDI OUT/SDI FORMAT/FREQ/CVBS OUT/LANGUAGE/CAM TITLE	
	Others	Operating Temperature	14°F~122°F (-10°C~+50°C)
		Storage Temperature	-4°F~140°F (-20°C~+60°C)
		Humidity	Less than 80%
		Power Consumption	DC12V(±10%), Max.150mA
Options		Waterproof, Lens, Cable OSD function	

### 2. CONNECTION



### 3. OSD MENU STRUCTURE(1/2)

SETUP MENU	SUB MENU	SUB MENU2	SUB MENU3	VALUE	
LENS	MANUAL			MANUAL/DC	
		MANUAL		NORMAL, DISBURR (1 Menu) (Lens Mode)	
		MANUAL		DISBURR SETTING/LOCK/RELEAS (DC Lens Mode)	
		MANUAL		FLOCKER/LESS	
	BRUTTER SPEED				0/25/50/60/75/100/120/150/180/240/300/360/480/60/15/10/5/4K/1/3/1/2/1/3/1/2/1/3/1/2/1/3/1/2/1/3/1/2/1/3
		SENS-UP			OFF, X2, X4, X8, X16, X32
	WHITE BALANCE	AUTO			0-20
		AUTO EXT			
		PUSH LOCK			PUSH ENTER key
		MANUAL	COLOR TEMP		NOISE/SHARP/BAND
			S-GAIN		0-20
			B-GAIN		0-20
		LEVEL		0-20	
		LEVEL		0-20 (W, V, Y, C, Y, C, G, N, M, A, O, B, E, D, R, E, L, U)	
BACKLIGHT	OFF			0-20	
	HLC			0-20	
	BLC			0-20	
		H-POS		0-20	
		V-POS		0-20	
		H-SIZE		0-20	
		V-SIZE		0-20	
	WDR	WDR MODE			FRAME
		ROI MODE(SX)			OFF
		WINDOW ZONE			0-3
DIS	WINDR OFF			OFF/ON	
		H-POS		0-1934	
		V-POS		0-1934	
	WINDR ON				0-1934
		H-POS			0-1934
		V-POS			0-1934
	WINDR OFF				0-1934
		H-POS			0-1934
		V-POS			0-1934
	WINDR ON				0-1934
		H-POS			0-1934
		V-POS			0-1934
	WINDR OFF				0-1934
		H-POS			0-1934
		V-POS			0-1934
WINDR ON				0-1934	
	H-POS			0-1934	
	WEIGHT			LOW/MIDDLE/HIGH	
DAY/NIKT	AUTO			OFF/LOW/MIDDLE/HIGH	
		DWELL TIME		0-1000ms	
		D-N THREE		0-20	
		D-N THREE		0-20	
	COLOR			0-20	
	B&W			0-20	
EYEBVIR				0-1000ms	
		DWELL TIME		0-1000ms	
		D-N LEVEL		0-20	
		D-N LEVEL		0-20	
SMART IR				OFF/ON	
		SMART IR LEVEL		0-20	
IMAGE	SHARPNESS			0-10	
	COLOR LEVEL			0-10	
	MIRROR			OFF/ON	
	FLIP			OFF/ON	
	LENS SHADING	OFF/ON		WEIGHT 0-100%	
	GAMMA			0.45, 0.50, 0.55, 0.60	
	D-ZOOM			OFF	
	ACE			OFF/LOW/MIDDLE/HIGH	
	DEFOG	AUTO/MANUAL			LOW/MIDDLE/HIGH

WDR is not operated at 'SHUTTER MODE=MANUAL'  
WDR mode is OFF at CVBS OUT

### 3. OSD MENU STRUCTURE(2/2)

SPECIAL	COMM ADJUST	CAM ID	VALUE	
PRIVACY	BOX	PROTECT	0-255	
		RAUDRATE	2400,4800,9600,19200,38400,76800,153200	
		MASK REL	0-15	
		MASK MODE	OFF/ON	
		H-POS	0-60	
		V-POS	0-34	
		H-SIZE	0-40	
		V-SIZE	0-34	
	POLYGON	MASK REL	0-7	
		MASK MODE	OFF/ON	
		POB-X - POB-X	0-120	
		POB-Y - POB-Y	0-48	
		V LEVEL	0-20	
		CR LEVEL	0-20	
		TR LEVEL	0-20	
		TRANS	0-3	
	MOTION	DET WINDOW	WINDOW REL	0-3
			WINDOW SLOPE	OFF/ON
			DET H-POS	0-40
			DET V-POS	0-34
SENSITIVITY		DET H-SIZE	0-40	
		DET V-SIZE	0-34	
			0-10	
			OFF/ON	
MOTION ON		NEXT ALARM	OFF/ON	
		ESTIMATE	OFF/ON	
		LOCK ZOOM	OFF	
		ZOOM SPEED	LOW/MIDDLE/HIGH	
DIS	TRACKING	OFF/ON		
	REPEAT	OFF/ON		
SYSTEM	MTRIT	FRAME RATE	1000/2000/3000	
		FREQ	0.5, 1.0, 2.0, 3.0, 4.0, 5.0, 6.0, 7.0, 8.0, 9.0, 10.0, 11.0, 12.0, 13.0, 14.0, 15.0, 16.0, 17.0, 18.0, 19.0, 20.0, 21.0, 22.0, 23.0, 24.0, 25.0, 26.0, 27.0, 28.0, 29.0, 30.0, 31.0, 32.0, 33.0, 34.0, 35.0, 36.0, 37.0, 38.0, 39.0, 40.0, 41.0, 42.0, 43.0, 44.0, 45.0, 46.0, 47.0, 48.0, 49.0, 50.0, 51.0, 52.0, 53.0, 54.0, 55.0, 56.0, 57.0, 58.0, 59.0, 60.0, 61.0, 62.0, 63.0, 64.0, 65.0, 66.0, 67.0, 68.0, 69.0, 70.0, 71.0, 72.0, 73.0, 74.0, 75.0, 76.0, 77.0, 78.0, 79.0, 80.0, 81.0, 82.0, 83.0, 84.0, 85.0, 86.0, 87.0, 88.0, 89.0, 90.0, 91.0, 92.0, 93.0, 94.0, 95.0, 96.0, 97.0, 98.0, 99.0, 100.0	
	REI MODE	OFF/CVBS/HD/3G-SDI/4K		
	ANALOGI MODE	OFF/CVBS/HD/3G-SDI/4K		
	LANGUAGE	CONFIRM	ENGLISH/CHINESE/SPANISH/FRANCAIS/JAPANESE/ITALIAN/RUSSIAN	
FACTORY DEFAULT	FACTORY DEFAULT	CAM TITLE	OFF	
		SHOW UP	0-3, 0-2, 3-2, 2-3, 2-2, 3-3, 3-2, 2-4, 4-2, 2-4	
		LEFT DOWN	ON	
RETURN			Returns to previous menu	
EXIT			Exit SETUP menu	