Effio-E HIGH RESOLUTION CAMERA SERIES

USER'S MANUAL

Features:

Sony's latest EFFIO DSP (Enhanced Features and Fine Image Processor), gives our camera an extremely high 600TVL/700TVL of color resolution, an Ultra Advance DNR and Amazingly Realistic Colors.

●Ultra-Low illumination extreme 600TVL/700TVL.

●Excellent Realistic Colors.

●Wide range AWB Adjustment:[1,800 K to 10,500 K]

●DNR Function can effectively reduces picture noise.

●ATR, higher picture contrast and improve details and color loss in darkness.

●4 motion detection area and 4 private zone.

●Support 8 languages.

Note: Product appearance and function to prevail in kind. If any updates without notice.

Information

This equipment has been tested and found to comply with limits for a Class A digital device, pursuant to part 15 of the FCC Rules.

There limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment.

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications.

Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at their own expense.

Read Instructions

Read all of the safety and operating instructions before using the product.

Retain instruction

Save this instructions for later use.

Cleaning

Unplug this appliance form wall outlet before cleaning. Do not sue liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.

Water and Moisture

Do not use this product near water or moisture. (For example. near a bathtub, wash bowl, kitchen sink, or laundry tub, in a wet basement, or near swimming pool, etc.)

Installation

Do not place this product on an unstable cart, stand, or table. The product may fall causing serious injury to a child or adult, and damage to the product.

Power source

This product should be operated only from the type of power source in indicated on the marking label. If you are not sure of the type of power supplied to your home, consult your dealer or local power company.

CAUTION

Do not install the camera in extreme temperature conditions.

Operate the camera under temperature from -10℃~50℃.

Especially be careful for ventilation under high temperature.

Do not install or use the camera in an environment with high humidity, it can cause the image quality Poor image.

Severe lighting change or flicker can cause improperly work.

Never use the camera close to a gas or oil leak, it can cause malfunctions to occur

Never keep the camera face to strong light directly, it can damage CCD.

Do not expose the camera in rain or spill liquid on it.

If it gets wet, wipe it with dry cloth immediately.

Liquids can contain minerals that corrode the electronic components.

Note: When this camera is installed near wireless communication devices that emit strong electromagnetic field, irregularity such as noise on the monitor may appear.

Menu Operation and settings:

Setting

Press MENU Button to access the SETUP menu. Select each sub-menu by moving" MENU" button to up, down, left, right. Press the Menu button to set up.

The MENU:

Menu			
LENS	AUTO IRIS	CONTROL	DC/VIDEO
		MODE	AUTO/OPEN/CLOSE
		SPEED	000~255
		RETURN	
	MANUAL		
Shutter/AGC	Auto	HIGHT LUMINANCE	Mode	SHUT/Shut+Iris/ Auto Iris
			Brightness	000~255
		Low LUMINANCE	Mode	AGC/OFF
			Brightness	X0.25/X0.5/X0.75/ X1.00
		RETURN	
	Manual	Mode	Shutter+AGC
		Shutter	1 /50,1/120,1/250,1/500,1/1000, 1/2000,1/4000,1/10000
		AGC	6.00/12.00/18.00/24.00/30.00 36.00/42.00/44.80
		RETURN	
WHITE BAL (White Balance)	ATW	SPEED	000~255
		DELAY CNT (Delay Control)	000~255
		ATW FRAME	X0.50/X1.00/X1.50/X2.00
		Environment Setting	Indoor/outdoor
		RETURN	
	PUSH		
	User1/User 2	B Gain	000~255
		R Gain	000~255
		Back	
	ANTI CR(Anti- color rolling)		
	Manual	Level	015~056
		RETURN	
	PUSH LOCK		

BACK LIGHT	OFF		
	BLC		
	HLC		
PICT ADUST (Picture Adjustment)	Mirror	OFF/ON	
	BRIGHTNESS	000~255	
	CONTRAST	000~255	
	SHARPNESS	000~255	
	HUE	000~255	
	GAIN	000~255	
	RETURN		
ATR	ON	Brightness	LOW/MID/HIGH
		CONTRAST	LOW/MIDLOW/MID/MIDHIGH/HIGH
		RETURN	
	OFF		
MOTION DET(Motion detection)	OFF		
	ON	DETECT SENSE	000~127
		Block DISP	OFF/ON（12x8 zone selection）/ENABLE
		Monitor Area	ON/OFF
		AREA SEL	1/4，2/4，3/4，4/4
		TOP	000~288
		BOTTOM	000~288
		LEFT	000~468
		RIGHT	000~468
		RETURN	
NEXT/EXIST			
Privacy	OFF		
	ON	AREA SEL	1/4，2/4，3/4，4/4
		TOP	000~288
		BOTTOM	000~288
		LEFT	000~468
		RIGHT	000~468
		COLOR	1~8
		TRANSP(transparency	0.00/0.50/0.75/1.00.
		MOSAIC	OFF/ON
		RETURN	
Day&Night	AUTO	BURST	OFF/ON
		DELAY CNT(Delay Control)	000~255
		DAY→ NIGHT	000~255
		NIGHT→ DAY	000~255
		RETURN	
	COLOR		
	B/W	PULSE	OFF/ON
		RETURN	
NR(Noise Reduction)	NR MODE	Y/C，OFF，Y，C	
	Y LEVEL	000~015	
	C LEVEL	000~015	
	RETURN		
CAMERAID	ON/OFF		
SYNCE (Synchronous system)	INT(inter-sync)		

LANGUAGE	Chinese / English /Japanese/ German / French / Russian / Portuguese / Spanish
CAMERA REST	
BACK	Return to the previous page
EXIT	exit and save

Specification

Image sensor	1/3 inch Sony Ex-view II CCD
CCD Effective Pixels	PAL:976(H)X596(V) NTSC: 976(H)X508(V)
Horizontal Resolution	Color：600TVL/700TVL B/W：650TVL/750TVL
Minimum illumination	0.01LUX@F1.2
Video Output	1.0Vp-p/75Ω
S/N ratio	52db(AGC OFF)
Gama	0.45
OSD menu	YES
Synchronous System	inter-sync
Day&Night Mode	Color/BW/Auto
Electronic Shutter Speed	ATW, Manual ： 1/50（60）—1/10000sec
Auto White Balance	ATW/Press/User 1/User 2/Inhibition of color rolling/Manual/Press to lock
BLC	HLC/SBLC/Off
Digital Noise Reduction (SDNR)	2D-NR
Language	English/Japanese/German/French/Russian/Portuguese / Spanish /Chinese
Motion detection	On(4 Zones, can set at any position)/OFF
Privacy Zone	On(4 Zones, can set at any position)/off
Auto iris mode	DC Drive/Video Drive
Power	DC12V

TROUBLE SHOOTING:

If you have trouble operating your camera, refer to the following guidelines.
If the guidelines do not help you to solve the problem, contact an authorized technician.

Problem	Solutions
Nothing appears on the screen	• Check that the power cable and line connection between camera and monitor. • Check that if you correctly connect elastic cable to the video output port for camera.
The image on the screen is dim	• Is lens stained with dirt? Clean your lens with soft, clean cloth. • Set up camera parameters according to the real environment. • If the camera is exposed to too strong light, change the camera position. • adjust the lens' focus properly.
The image on the screen is dark	• Adjust the brightness, contrast function of the monitor. • Please check if you have properly connected the camera to an appropriate power source. • Adjust the DC level, brightness, and electronic iris settings in menu.
Camera body overheat and Unnormal image	• Please check if you have properly connected the camera to an appropriate power source. Or the environment temperature is too hot.
The image on screen flickers	•Check whether the camera is exposed to too strong sunlight or fluorescent lighting? Change the camera position.