lipSHOT series Menu Tree

SETUP	SUB MENU	SUB MENU	DESCRIPTION				
EDGE DET		ON/OFF	Edge detection allows you to easily adjust focus.				
	BRIGHTNESS	0~20	Adjust the screen brightness. The bright control function adjusts gain, to keep a brightness level.				
	SHUTTER	AUTO	Shutter controls exposure automatically. Shutter control has the exposure control priority				
		MANUAL	Shutter speed is fixed. The exposure control priority is given to other resources.				
EXPOEURE		FLICKER	Use this function when you experience picture flicker, this happens when there is a conflict with the installed lighting frequency.				
1	SENS-UP(DSS-Digital slow shutter)	OFF, X2~64	When luminance condition is low, SENS-UP can adjust the picture quality by maintaining the light level. Minimum slow shutter limit is down to x64.				
	AGC	0~20	A function which controls the amplification/gain process automatically if the illumination falls under the usable level. Camera raises up gain to				
			selected gain limit when dark conditions.				
	HLC		Highlight the bright area with a masking box with a selected color. Adjust the masking level (0~20).				
BACKLIGHT	BLC		Enable a back light compensation feature.				
	WDR (FRAME / ROI WDR)		Enable user to view both object and background more clearly when background is too bright. (LOW, MIDDLE, HIGH).				
			AUTO : Auto mode allows to switch between COLOR and B&W automatically depending on day and night.				
	MODE	AUTO / COLOR /	COLOR : The camera keeps color mode constantly.				
		B&W / EXTERN	B&W : The camera keeps black/white mode constantly. EXTERN : In case illuminance sensor is mounted, you can switch between COLOR and B&W by its signal.(OPTION)				
	IR LED(OPTION)	OFF/FULL	An term in case manimumes level of externally mounted in EED.				
	ANTI-SAT(OPTION)	0~20	In case external IR LED is used, saturated image by light can be decreased by level.				
DAY&NIGHT	EXTREN SW(OPTION)	LOW/HIGH	In case external IR LED is used, saturated image by light can be decreased by level. In case external illuminance sensor is mounted, you can match COLOR and B&W by level of its signal.				
	D>N THRES	0~20	No care careful mannance school is mannance, you can mach occur and address y rection is signal. You can modulate illuminance point from DAY to NIGHT.				
	N>D THRES	0~20	You can indudate illuminance point from NGHT to DAY.				
			Select the checking time of light condition to confirm to change from the day mode to the night mode.				
	DELAY	LOW/MIDDLE/HIGH	When you change DAY mode to NIGHT mode, or NIGHT mode, to DAY mode, converting time can change to three levels in order to avoid hunting.				
	AWB		AUTO : Color temperature is automatically adjusted to 3,000°K ~ 8,000°K				
		AUTO/AUTOext/	AUTOext : Continuously adjusts camera color balance in accordance with any change in color temperature. Compensates for color temperature changes within the range of 1,900K to 11,000K.				
COLOR		PRESET/MANUAL	PRESET : Color temperature will be manually adjusted by pushing the OSD button. Place the white paper in front of the camera when OSD button is pressed to obtain the optimum result.				
	COLOR GAIN	0~20	Manual : Select color temperature from 3000°K, 5000°K or 8000°K.				
	LOW/MIDDLE/HIGH	0-20	Adjust the color level value for a fine color tune.				
DNR		0	This feature will reduce the video noise at low ambient light.				
	SHARPNESS	0~10	Adjust the sharpness of the image. As you increase this value, the picture outline becomes stronger and clearer.				
	GAMMA	0.45 ~ 0.75	This feature will adjust video output brightness (0.45 ~ 0.75).				
	MIRROR	ON/OFF	Video output is rotated horizontally.				
	FLIP	ON/OFF	Video output is rotated vertically.				
	D-ZOOM	1.0X ~ 16.0X	Enlarge digitally the video output up to 16X.				
			Range : This function will reduce image blurriness due to vibrations caused by hand shake. The image will be digitally zoomed in to compensate the shifted pixels. Set the digital zoom level for image stabilizing. (Max. 30% : x1.4 Digital Zoom)				
IMAGE		ON/OFF	FILTER: Select the level of correction hold filter of the worst case of image. HiGH: Less image or section. Low: More image correction.				
IWAGE	DIS		AUTO C - OFF: Disable the auto centering function.				
			FULL: The camera will correct the blurriness due to vibrations caused by both hand shake.				
			HALF: The camera will correct the blurriness due to vibrations caused by hand shake.:				
	ACE	OFF/LOW/MIDDLE/HIGH	Brightness correction of the dark image area.				
	DEFOG	ON/OFF	Auto : This feature will help increase visibility in extreme weather conditions, such as fog, rain or in a very strong luminous intensity. Manual : Set the level of defogging function (LOW, MIDDLE, HIGH).				
	SHADING	ON/OFF	This feature will correct the inconsistent brightness level in the image.				
	PRIVACY	ON/OFF	Mask an area you want to hide on the screen with sub menu.				
IMOTION			This feature will observe the object movement by motion zone and sensitivity that are pre-set with sub menu.				
	СОММ	CAM ID	Select the camera ID number for RS-422/485 communication.				
		BAUDRATE	Set the baud rate of RS-485 communication (2400, 4800, 9600, 19200, 38400, 57600, 115200).				
	OUTPUT	FRAME RATE	Change video output format.				
		FREQ	Change video output frequency.				
		SDI MODE	On/off				
		CVBS	On/off				
0107514	IMAGE RANGE	FULL/COMP/USER	Change video image range.				
SYSTEM	COLOR SPACE	HD-CbCr/YUV/SD-CbCr	Change video color space.				
	AUDIO MIC	ON/OFF	Audio output is select.				
	COLOR BAR	ON/OFF	On/off				
	LANGUAGE	ENG/CHN/CHN(S)/JPN/KOR	Select the menu language.				
	CAM TITLE	OFF/RIGHT UP/LEFT DOWN	The camera title can be entered and it will appear over the video output.				
	RESET		Reset the camera settings to the factory default.				

Precautions

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- > lipSHOT
- IipSHOT UltraLatency

power source immediately and consult your supplier. Always follow the instructions in the installation guide when applying power. Fire and equipment damage can occur if power is applied incorrectly. For the correct power supply, refer to the specification sheet.

Do not use the camera if fumes, smoke or a strange odor is emitted from the unit, or if it seems to not function correctly. Disconnect the



WARNING

CAUTION

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Do not install or operate in small, unventilated areas. Heat build up can significantly reduce the performance and operating life of the product and may cause a fire.

To prevent damage, do not drop the camera or subject it to strong shock or vibration.



If installed close to a TV, radio transmitter, magnet, electric motor transformer or audio speakers the magnetic field generated may interfere with or distort the image.



Whether or not the camera is used outdoors, never point it toward the sun. Use caution when operating the camera in the vicinity of spot lights or other bright lights and light reflecting objects.



Do not use the camera in extreme environments where high temperatures or high humidity exists. Use the camera under conditions where temperatures are between $14^{\circ}F \sim 122^{\circ}F$ (- $10^{\circ}C \sim$ 50°C), and humidity is below 90%.

	Image Sensor	1/2.8" Progressive Sony Exmor R CMOS (Approx. 2.16 mega)				
	Scanning System	16:9 Progressive				
SENSOR	Sync. System	Internal				
	Effective Pixel	1945 (H) X 1097 (V) approx 2.13M pixels				
	Min. Illumination	Color : 0.1 lx (1/30 sec, DSS OFF), B&W : 0.01 lx (1/30 sec DSS OFF)				
a .:	Laws	2.9mm	4.3mm			
Optics	Lens	2.9mm[140.5°(D) X 120.0°(H) X 65.1°(V)]	4.3mm[102.2°(D) X 84.3°(H) X 44.0°(V)			
	EXPOSURE	BRIGHTNESS / SHUTTER / SENS-UP / AGC				
	BACKLIGHT	HLC/BLC/WDR				
	DAY&NIGHT	AUTO / COLOR / B&W / EXTERN				
Functions	WHITE BALANCE	AUTO (3,000°K~8,000°K) / AUTOext (1,900°K~11,000°K) / PRESET / MANUA				
	Electronic Shutter	NTSC: 1/30~1/30000, PAL: 1/25~1/30000, SENS-UP (~X64)				
	Functions	Privacy Mask, Image Mirror, 3DNR, GAMMA Control, Digital Zoom, Lens Shading, Flickerless, Sharpness, Defog, DIS (Digital Image Stabilizer), Intelligent Motion Detection, Sens-up(DSS - Digital Shutter Speed)				
Video output	SDI (BNC)	SMPTE 292M (1.485Gbps); 1080p@25/30, 1080i@50/60, 720p@36/60, 720p@25/30 SMPTE 424M (2.97Gbps); 1080p@50/60				
CONTROL	RS422/485 2400~115200bps REMOTE CONTROL PELCO, D/P, VISCA		•			
General	Operation Temperature -10℃ ~ 50℃		50°C			
	Power Input	12VDC (7VDC to 15VDC)				
	Power consumption	Max 3.6W				
General	Dimensions	ø19.5 x 64.5 mm				
	Net Weight	Approx. 280g				

Full-HD (3G/HD-SDI) 2.16MP Mini-Broadcast POV Camera

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Features

- · 2.16 Megapixel 1/2.8" Sony Exmor R CMOS Sensor
- · 4.3mm Megapixel M12 Prime Lens installed
- V-LFS(59.94): 1920x1080p59.94/29.97, 1920x1080i59.94, 1280x720p59.94/29.97fps
- V-LFS(50/60): 1920x1080p60/50/30/25, 1920x1080i60/50, 1280x720p60/50/30/25fps
- · 3G/HD-SDI (BNC) CABLE built into rear panel
- · OSD Menu Joystick, 485 connectable (PELCO/VISCA)



