

AHM-F620(JP)

AHD2.0 MINIATURE BOX CAMERA

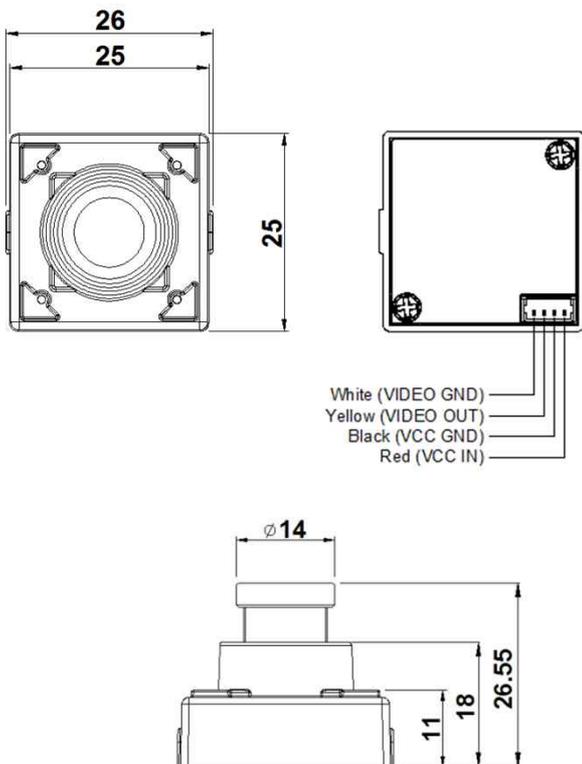


Main Features

- 1/3" 1080p Panasonic CMOS Sensor
- 2.12M Pixels (1,000 TV Lines)
- Fixed Board Lens
- 3D-DNR, DSS (Sens-up) Supported
- UTC Supported
- AHD2.0 Camera
- Wide Operating Voltage Range (DC5~15V)
- Box Miniature Housing(25x25) with U type swivel bracket



Dimension



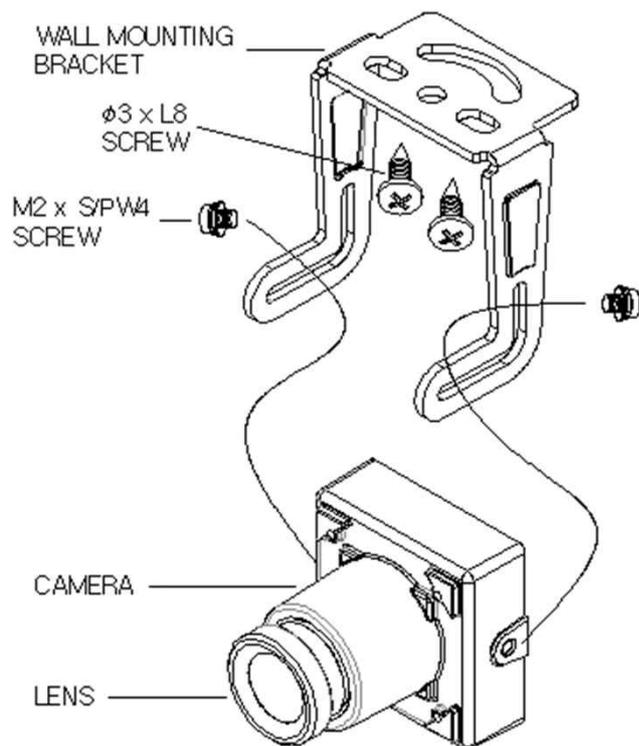
Specifications

Model	AHM-F620(JP)
Signal System	AHD 2.0
Pickup Device	1/3"(D-6mm) 2.12M Panasonic CMOS Sensor
Scanning System	Progressive Scan (16:9)
Sync. System	Internal
Total Pixels	2.47MP [1956(H)x1266(V)]
Active Pixels	2.12MP [1944(H)x1092(V)]
Min. Illumination	0.2Lux(F2.5 - 30IRE), 0.006Lux(DSS on)
Video Out (BNC)	AHD: 1080p@25/30 Factory can select other HD formats or CVBS
Lens	Fixed f=3.6mm board type, F2.5
Lens (Mount)	Board Mount(M12)
Angle of View	110.5°(D), 90.5°(H), 47°(V)
OSD	Via UTC
Camera Title	Off, On(Max. 15 Characters)
Language	English, Russian, French, Spanish, Portuguese, German, Chinese(Simplified), Chinese(Traditional), Japanese, Korean, Italian, Polish, Dutch, Turkish, Hebrew, Arabic
Exposure	AE, Manual
White Balance	AWB, ATW, AWC->SET, Manual, Indoor, Outdoor
BLC	Off, BLC, HSBLC
Day & Night Mode	AUTO, COLOR, B/W, EXT
Gain Control	AGC (1~15)
Electronic Shutter	1/25(30)~1/50,000sec
DSS(Sens-up)	Off, On(Max. X30)
Noise Reduction	2DNR, 3DNR
Mirror	Off, On(Mirror, Flip, Rotation)
Other Features	Motion Detection (4 Zone), Privacy Mask (4 Zones), Freeze, Neg. Image, Lens Shading, Defog etc.
Microphone	N/A
Power Source	DC5~15V
Power Consumption	Less than 1.1 Watts (90mA@DC12V)
Operating Temp.	-10℃ ~ 55℃ (Humidity :0%RH ~ 90%RH)
Size (mm)	25x25
Weight	87g (Gift-box packing)

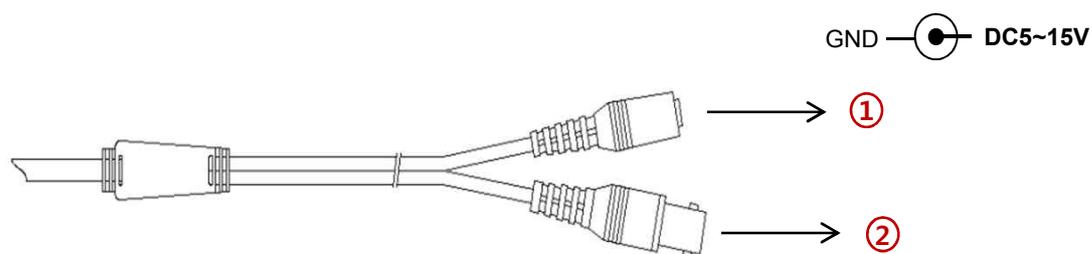
Option

- Lens (fixed Lens)
f=1.1(fish-eye), 2.1, 2.5, 2.8, 4, 6, 8, 12, 16, 25mm

Camera Mounting Instruction



- There are three(3) of each Ø3xL8 screw and M2xS/PW4 screw together with a swivel bracket in the accessory package.
- Please use two(2) of the screws as shown above. We are providing one of each extra screw in the package.
- If you do not use M2xS/PW4 screws provided, it can **damage** the camera board inside housing. Such the damage will be your responsibility.



	Function	I/O	Note	Remarks
①	POWER	IN	Camera power input	DC5~15V
②	VIDEO OUT	OUT	Video signal output (BNC)	75 Ω

SETUP MENU	SUB MENU1	SUB MENU2	SUB MENU3	SUB MENU4	VALUE		
LENS	MANUAL						
EXPOSURE	SHUTTER				AUTO, 1/30, 1/60, FLK, 1/240, 1/480, 1/1000, 1/2000, 1/5000, 1/10000, 1/50000, X2, X4, X6, X8, X10, X15, X20, X25, X30		
	AGC				0 ~ 15		
	SENS-UP	AUTO	SENS-UP			X2, X4, X6, X8, X10, X15, X20, X25, X30	
		OFF					
	BRIGHTNESS				1~100		
	D-WDR	AUTO	LEVEL			0~8	
		ON					
		OFF					
	DEFOG	AUTO	POS/SIZE				
			GRADATION			0~2	
OFF							
BACKLIGHT	OFF						
	BLC	LEVEL			LOW, MIDDLE, HIGH		
		AREA					
		DEFAULT					
	HSBLC	SELECT				AREA1, AREA2, AREA3, AREA4	
		DISPLAY				ON, OFF	
		BLACK MASK				ON, OFF	
		LEVEL				0~100	
		MODE	ALL DAY				
			NIGHT	AGC LEVEL			0~255
DEFAULT							
WHITE BALANCE	ATW						
	AWB						
	AWC -> SET						
	INDOOR						
	OUTDOOR						
	MANUAL	BLUE				0~100	
		RED				0~100	
DAY & NIGHT	COLOR						
	B/W	BURST			ON, OFF		
		IR SMART	ON	LEVEL		0~15	
			AREA				
	OFF						
	EXT	D->N (DELAY)				0~60	
		N->D (DELAY)				0~60	
	AUTO	D->N (AGC)				1~255	
D->N (DELAY)					1~60		
N->D (AGC)					1~255		
N->D (DELAY)					1~60		
NR	2DNR				OFF, LOW, MIDDLE, HIGH		
	3DNR				OFF, LOW, MIDDLE, HIGH		

SETUP MENU	SUB MENU1	SUB MENU2	SUB MENU3	SUB MENU4	VALUE			
SPECIAL	CAM TITLE				ON, OFF			
	D-EFFECT	FREEZE						
		MIRROR				OFF, MIRROR, V-FLIP, ROTATE		
		NEG. IMAGE				ON, OFF		
	MOTION	OFF						
		ON	SELECT			AREA1, AREA2, AREA3, AREA4		
			DISPLAY				ON, OFF	
			SENSITIVITY				0~100	
			COLOR				GREEN, BLUE, WHITE, RED	
			TRANS				0.00, 0.25, 0.75, 1.00	
		ALARM	VIEW TYPE				ALL, OFF, BLOCK, OUT LINE	
			OSD VIEW				ON, OFF	
			ALARM OUT				ON, OFF	
		TIME				0~15		
	DEFAULT							
	PRIVACY	OFF						
		ON	SELECT					
			DISPLAY	OFF				
				MOSAIC				
				INV.				
		COLOR				WHITE, BLACK, RED, BLUE, YELLOW, GREEN, CYAN, USER		
	TRANS				0.25, 0.50, 0.75, 1.00			
	DEFAULT							
	LANGUAGE					ARB, ENG, CHN1, CHN2, GER, FRA, ITA, SPA, POL, RUS, POR, NED, TUR, KOR, JPN, HEB		
	DEFFECT	LIVE DPC	ON	AGC LEVEL		0~255		
				LEVEL		0~100		
		OFF						
		WHITE DPC	ON	POS/SIZE				
				START				
				DPC VIEW			ON, OFF	
				LEVEL			0~100	
				AGC			0~14	
				SENS-UP			X2, X4, X6, X8, X10, X15, X20, X25, X30	
OFF								
BLACK DPC		ON	POS/SIZE					
			START					
	DPC VIEW				ON, OFF			
	LEVEL				0~100			
OFF								
RS485	CAM ID				0~255			
	ID DISPLAY				ON, OFF			
	BAUD RATE				2400, 4800, 9600, 19200, 38400			
ADJUST	SHARPNESS	AUTO	LEVEL		0~10			
			START AGC		0~255			
			END AGC		0~255			
		OFF				OFF/ ON		
	MONITOR	LCD	GAMMA			0.45, 0.50, 0.55, 0.60, 0.65, 0.70, 0.75, 0.80, 0.85, 0.90, 0.95, 1.00, USER		
			BLUE GAIN			0~100		
			RED GAIN			0~100		
		CRT	BLUE GAIN			0~100		
	RED GAIN				0~100			
	LSC					ON, OFF		
VIDEO OUT					NTSC, PAL			
EXIT	SAVE & END				Exit SETUP menu without saving			
	RESET				Reset to factory setting			
	NOT SAVE				Exit SETUP menu after saving			