株式会社 光響

Email : info@symphotony.com
Web : https://www.symphotony.com/

Kokyo

MINTRON

MN1P Specification

SERIES NO.	MN1P / 2.1MEGA WDR 1080P HD-SDI/CVBS CAMERA
IMAGE SENSOR	1/3" MEGAPIXEL CMOS WDR SENSOR (ROLLING SHUTTER)
CCD TOTAL PIXELS	2010(H) X 1108(V) APPROX. 2.1M PIXEL
EFFECTIVE PIXELS	1944(H) X1029(V)
SCANNING SYSTEM	PROGRESSIVE SCAN
SYNC SYSTEM	INTERNAL
MINIMUM ILLUMINATION	0.05 LUX @ AGC ON /SENS-UP OFF/ F1.2
RESOLUTION	OVER 1000 TV-LINE
ICR-SET CONTROL	AUTO, TRIGGER IN , SMART IR,
GAIN CONTROL	AUTO
EXPOSURE CONTROL	AUTO, MANUAL, IRIS PRIORITY
S / N RATIO	48DB (TYP) (GAMMA, APERTURE, AGC OFF)
AUTO IRIS	AES / ALC-DC LENS
VIDEO FORMATOUT	1080P 25/30HZ
DNR CONTROL	OFF/LOW/MIDDLE/HIGH
DIGITAL VIDEO OUT(HDV)	HD-SDI (WITHOUT CABLE DRIVER) & YUV:422
ANALOG VIDEO OUT	CVBS
GAMMA CORRECTION	0.45 / 0.5 / 0.55 / 0.6 / 0.65
DIGITAL ZOOM	1.0~8.0
PROTOCOL	RS-485(OPTIONAL FUNCTION)
FUNCTION	BRIGHTNESS/SENS-UP/LEVEL(HLC)/BLC/WDR/AUTO/AUTO ECT./ XDR/SHADING/PRIVACY/MOTION/SD-CBCR/HD-CBCR/YUV
OPERATION TEMPERATURE	-20℃ TO 50℃
OPERATIONAL HUMIDITY	WITHIN 85% RH
POWER SUPPLY	DC12V±1V / 200MA

Caution for Installation:

1. Avoid places where there is direct sunlight. When using the camera outside.
2. Be careful, never let any water in this equipment.
3. Do not directly touch the Sensor device. If necessary, use a soft cloth moistened with alcohol to wipe off the dust.
4. When the camera installs in dust or wet environment, please puts into the camera housing.
5. Be extra careful not to shake the camera.
6. Avoid places where temperatures exceed 50 ℃ or more.
7. Be extra careful not to mistake plug in connect.
8. The camera are only operated with regulative adaptor DC 12V, AC to DC non-regulative adaptor may cause camera damaged.

Family product line up:

For HD-SDI repeater application:

Model name: MHD-61S2S-P, allows extending HD-SDI transmission distance, built-in
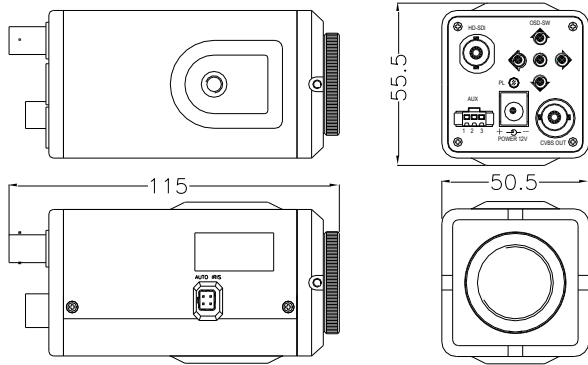
Power   and Ctrl signal are via coaxial cable

For converter application:

Model name: MHD-61S2SH, converts HD-SDI signal to HDVI (Hi-definition multimedia

interface)

※The specifications and appearance of the product may change without notice.

MN1P   C/CS Mount BOX

Dimension (Unit : mm / ±0.3mm)

55.5

115

50.5

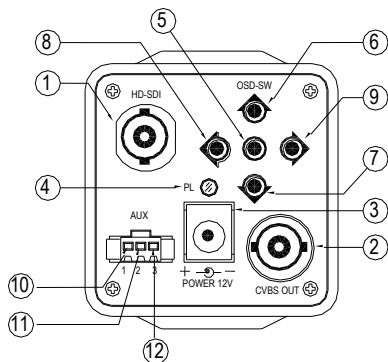### Rear board   definition
①HDV VIDEO OUT(SDI type)
②SDV VIDEO OUT
③POWER IN DC-JACK
④POWER ON INDEX LED
⑤OSD-SW "ENTER"
⑥OSD-SW "UP"
⑦OSD-SW "DOWN"
⑧OSD-SW "LEFT"
⑨OSD-SW "RIGHT"
⑩AUX 1 : " optional   "
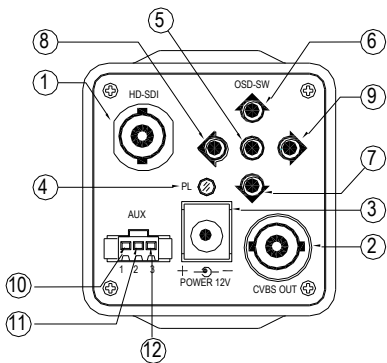⑪AUX 2 : " optional   "
⑫AUX 3 : " optional   "
Body side connector: DC IRIS
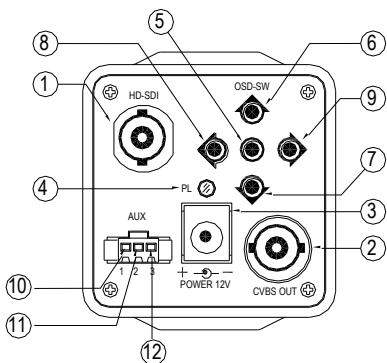

Item No.MHD-63MN1PH-D
- HD-SDI & CVBS Video out
- Power: DC 12V/200mA
- Day/ Night :IR-Cut filter
- Features : MN1 common functions

Item No.MHD-63MN1PH-DICR
- HD-SDI & CVBS Video out
- Power: DC 12V/200mA
- Day/ Night :IR-Cut Removable filter
- AUX port:(OSD setting External setting at low)
  - AUX-1: Empty
  - AUX-2: Ext-ICR
  - AUX-3: GND
- Features : MN1 common functions

Item No.MHD-63MN1PH-PICR
- HD-SDI & CVBS Video out
- Power: DC 12V/200mA or Powered by coaxila cable
- RS-485 Pelco: controlled by coaxila cable
- Day/ Night :IR-Cut Removable filter
- AUX port:(OSD setting External setting at low)
  - AUX-1: Empty
  - AUX-2: Ext-ICR
  - AUX-3: GND
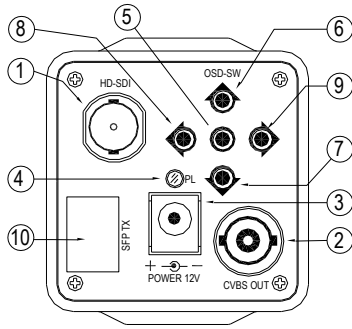- Features : MN1 common functions

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Item No.MHD-63MN1PH-SDICR

- HD-SDI & CVBS Video out
- Power: DC 12V/200mA
- Fiber   port: 1-ch SFP Transmitter (1.5Gbps/3Gbps)
- Features : MN1 common functions
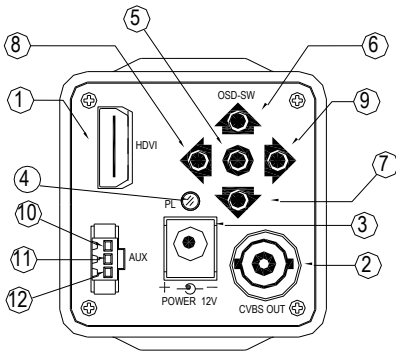
Item No.MHD-13MN1PH-D

- HDVI & CVBS Video out
- Power: DC 12V/200mA
- Day/ Night :IR-Cut filter
- Features : MN1 common functions

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MN1P   OSD Infrastructure (Index)

OSD Main Menu	functions	Parameter/content	
LENS	ALC	INDOOR/OUTDOOR	Remark
	AES		
EXPOSURE	BRIGHTNESS	|-----|-----| 10	
	FREQ	50Hz/60Hz	
	SHUTTER	AUTO_1/30(25)	
		MANUAL _1/30(25)、1/60(50)、1/120(100)、1/240、1/500、1/1000、1/2000、1/4000、1/8000、1/16000、1/30000、1/60000	
	SENS-UP	OFF/X2/X3/X4/X5/X6/X7/X8	
	AGC	|-----|-----| 10	
BACKLIGHT	OFF		
	ECLIPSE	|-----|-----| 10	
	BLC	H/V-POS 5 (0~20)	
		H/V-SIZE 5 (0~20)	
	WDR	LOW/MIDDLE/HIGH	
DAY&NIGHT	MODE	AUTO/COLOR/B&W/EXTERN	
	IR LED	YES/NO	
	SMART IR	ON/OFF	
	EXTERN S/W	HIGH/LOW	
	AGC THRES	|-----|-----| 10	
	MARGIN	|-----|-----| 10	
	DELAY	LOW/MIDDLE/HIGH	
WHITE BAL	ATW		
	ATW EXT.		
	PRESET	one-pushing	
	MANUA	R-GAIN|-----|-----| 10	
		B-GAIN|-----|-----| 10	
DNR	HIGHT/MIDDLE/LOW/OFF		
IMAGE	SHARPNESS	|-----|-----| 10	
	GAMMA	0.45/0.5/0.55/0.6/0.65	
	COLOR GAIN	|-----|-----| 10	
	MIRROR	ON/OFF	
	FLIP	ON/OFF	
	D-ZOOM	1.0x~8.0x	
	XDR	OFF/LOW/MIDDLE/HIGH	

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	SHADING ON/OFF	WEIGHT 0~100%	
	PRIVACY ON/OFF	ZONE NUM 0-32	
		ZONE DISP ON/OFF	
		H-POS 0-60	
		V-POS 0-40	
		H-SIZE 0-40	
		V-SIZE 0-40	
		Y LEVEL |-----|-----| 10	
		CR LEVEL |-----|-----| 10	
		CB LEVEL |-----|-----| 10	
MOTION	SENSITIVITY	|-----|-----| 10	
	DET H-POS	5 (0~60)	
	DET V-POS	5 (0~40)	
	DET H-SIZE	2 (0~60)	
	DET V-SIZE	2 (0~40)	
	MOTION OSD	ON/OFF	
	ALARM	ON/OFF	
SYSTEM	COMMUNICATION	CAM ID 1~255	
		BAUDRATE	
		2400/4800/9600/57600/115200	
		PROTOCOL PELCO	
	IMAGE RANGE	FULL/COMP	
	Ouput FORMAT	1080P/720P	
	Color Space	SD-CbCr/HD-CbCr/YUV	
	Fram Rate	30P/25P、60P/50P	
	CVBS	NTSC/PAL	
	LANGUAGE	ENG/CHN/CHN(S)/JPN	
	RESET	ON(Push)	
	RETURN		
EXIT	AUTO/MANUA		

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