

Safety Instruction

Thank you for purchasing this HD CCTV Camera. Please read these instructions carefully for a thorough understanding of how the cameras operates.

1. Operating requirements

- 1.1 Before using the camera ,please read this manual carefully and keep it safely for later use.
- 1.2 Installation should be proceed by professional service and follow manufacturer's instructions, do not dismantle without authorization.
- 1.3 In order to prevent sensor ,do not expose lens to intense light source in long time.
- 1.4 Do not touch sensor directly. Please covers the dustproof cover when the camera is not being used.
- 1.5 Please use a dry soft cloth to clean the camera. If dirt difficult to clean, use detergent with water and wipe dry the camera.
- 1.6 Do not install camera under air conditioning's air gate ,or else lens blur with condensation of moisture.
- 1.7 Please ensure that all electric power sources are turned off when not open , installation ,clean, etc operation.
- 1.8 Please transporting , using and storing the camera in allowable temperature and humidity.
- 1.9 If the camera was broken, for example power cord or plug damaged ,splash liquid or foreign matter fall into camera, raining ,wetting ,etc can't work situation ,please contact manufacturer or maintenance center (modify and maintenance without permission ,you must be responsible for the problems)

2. Statement

- 2.1 All photos here are for reference only .Specifications are subject to physical product.
- 2.2 This manual is subject to change without further notice.
- 2.3 Please contact with customer service for the newest procedures and supplementary specification.
- 2.4 This manual list several model numbers for reference , please user according actual product to operating.
- 2.5 We will do the best to keep this manual complete and accurate, but some data may has deviation. If any doubt or dispute ,company retain the final right of the product.

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Feature

- ACCE (Adaptive Color & Contrast Enhancement)
- NTSC/PAL Selectable
- RS485

Specification

Imaging Sensor	1/3" Panasonic COMS(MN34041PL)
Scanning System	Progressive Scan
S/N Ratio	More than 50dB (AGC Off)
Video Output Mode	1080P(1920 X 1080)
Video Output Level	HD-SDI /1.0 Vp-p (75Ω, Composite)
Lens	2.8-12mm Motor Zoom Lens
Min. Illumination	1.0Lux(Color) , 0. 5Lux (BW)
IR Distance	40M (with \varnothing 5X36PCS LED)
OSD	Built-in(RS485 Control)
Electronic Shutter	AUTO/MANUAL(1/50~1/60,000 sec)
AGC	0-20steps
WDR/BLC	WDR/BLC/HLC/OFF
Digital Zoom	On/Off(1.0x-8.0x)
D-DFEECT	Flip/Mirror/D-Zoom
Voltage/Current	DC12V \pm 10% / 180mA (450mA with IR ON)
Operating temperature	-10° ~ +50° C
Dimension (mm)	320(L) X 94(W)X85(H)
Weight (g)	860g

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HD CCTV



HD CCTV CAMERA USER MANUAL

INTRODUCTION:

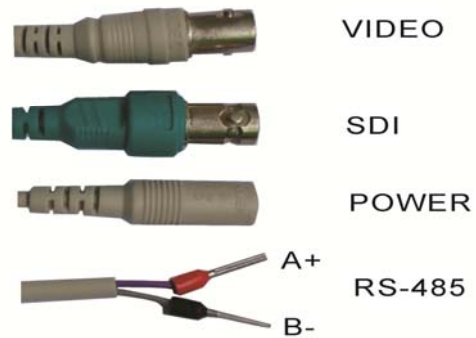
This camera which has 2.1M Pixes is specially designed for security monitoring. It applies the latest 2.1M Pixes progressive scan CMOS. It is a heavyweight new-designed HD camera which applied DC12V and support user customize the output parameter settings.

Packing List

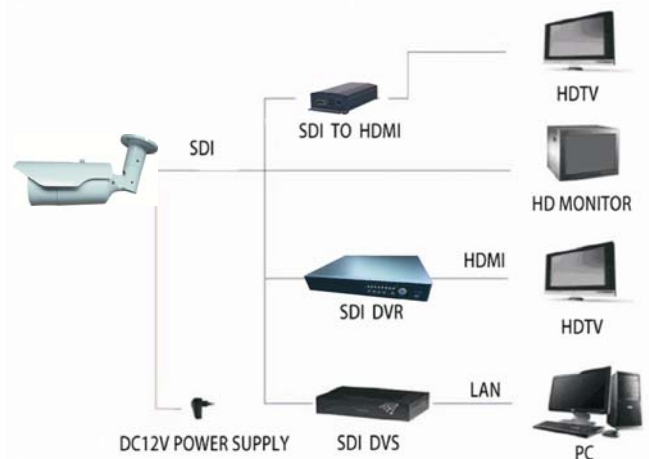
NO.	Name	Model	Number
1	Camera	HDC-WF1080A	1
2	Screws	—	3+1
3	Plugs	—	3

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Wire ports



Application method



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Function Menu

OSD MENU

EXPOSURE	■ BRIGHTNESS ■ AGC	■ SHARPNESS ■ LENS	■ COLOR GAIN ■ SHUTTER	■ GAMMA ■ DSS
AWB	■ AUTO	■ AUTOext	■ PUSHING	■ MANUAL
WDR/BLC	■ HLC	■ BLC	■ WDR	■ OFF
3D DNR	■ LOW	■ MIDDLE	■ HIGH	
IMAGE	■ MIRROR ■ SHADING	■ FLIP ■ PRIVACY	■ D-ZOOM ■ MOTTON	■ D-WDR ■ RETURN
SYSTEM	■ PROTOCOL ■ FRAME RATE	■ IMAGE RANG ■ CVBS	■ OUTPUT MODE ■ RESET	■ COLOR SPA ■ CE ■ RETURN
EXIT				

How to use the camera

EXPOSURE

- ▶ **BRIGHTNESS:** Adjust the brightness of the image.
- ▶ **SHARPNESS:** Adjust the sharpness of the image.
- ▶ **COLOR GAIN:** Adjust Color.
- ▶ **GAMMA:** Adjust gamma control setting.
- ▶ **AGC:** You can adjust it LOW, MIDDLE and HIGH level. The higher the gain level, the brighter the screen but the higher the noise.
- ▶ **LENS:** Normal/Deblur Choice.
- ▶ **SHUTTER:** MANUAL/AUTO.
 - * **MANUAL:** 1/25-1/60000
 - * **AUTO:** Select this mode to control the shutter speed automatically. Shutter speed is automatically controlled

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EXIT

- ▶ **EXIT:** Press the ENTER button in the EXIT menu to save the current settings and exit the MAIN SETUP menu.

RS485

Address: 1
Baudrate: 9600
Protocol: Protocol P

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- ▶ **DSS:** Digital slow shutter.

AWB

- ▶ **AUTO:** automatic white balance.
- ▶ **MANUAL:** manual white balance.

WDR/BLC

- * **HLC:** High Light Compensation .
- * **BLC:** Back Light Compensation Control. Area set (size & position).
- * **WDR:** The scene is especially light parts and special dark parts at the same time can see very clearly

3D-DNR

- * This function reduces the background noise in a low luminance environment.

IMAGE

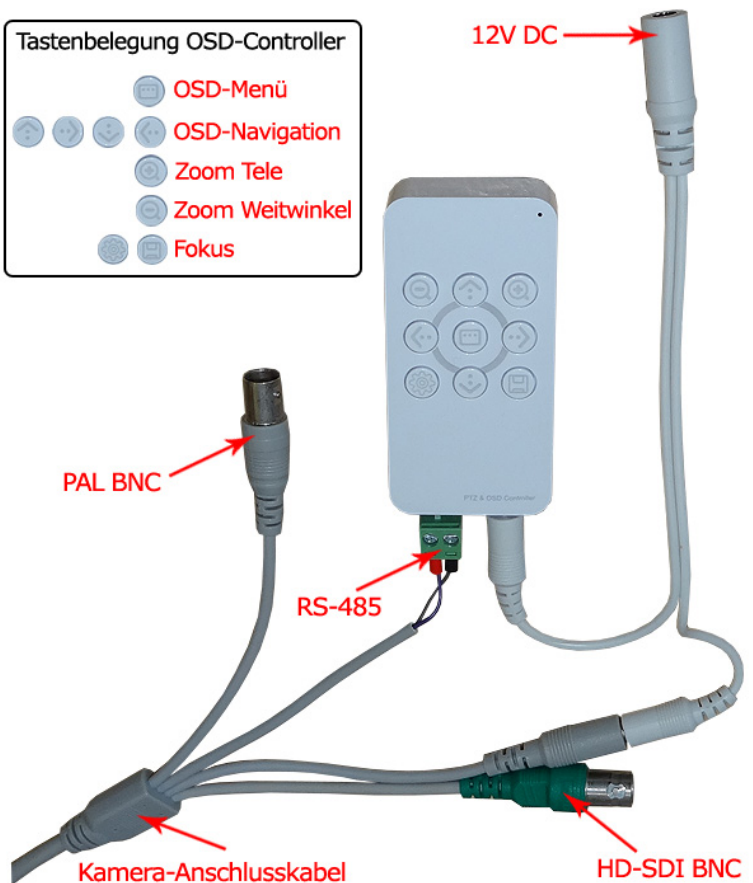
- ▶ **MIRROR:** you can flip the image horizontally.
- ▶ **FLIP:** you can flip the image vertically.
- ▶ **D-ZOOM:** 1.0X-8.0X.
- ▶ **D-WDR:** Digital wide dynamic.
- ▶ **SHADING:** LENS Shading.
- ▶ **PRIVACY:** Hide an area you want to hide on the screen.
- ▶ **MOTION:** ON/OFF.

SYSTEM

- ▶ **PROTOCOL:** RS485 Address/Baudrate/Protocol set up
- ▶ **IMAGE:** CRT monitor and LCD monitor.
- ▶ **OUTPUT MODE:** Select 1080P/720P.
- ▶ **COLOR SPACE:** Select HD-CbCr/YUV/SD-CbCr.
- ▶ **FRAME RATE:** Select 25/30/50/60FPS.
- ▶ **CVBS:** Select NTSC/PAL.
- ▶ **RESET:** Resets the camera setting to the factory defaults.

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Tastenbelegung OSD-Controller



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