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.

HD CCTV CAMERA

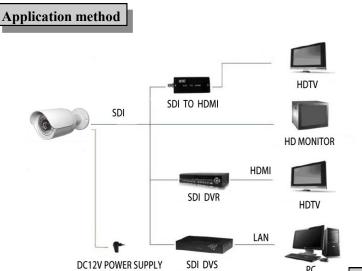# USER MANUAL

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	HDOB-LX1080IR50-W	1
2	Power line	—	1
3	Warranty Card	—	1

Specification

Imaging Sensor	1/3" 2.1Megapixel Panasonic CMOS
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	3.6mm Board Lens
Min. Illumination	1.0Lux(Color)，0. 5Lux（BW）
IR Distance	30M（with ∅5X36PCS LED）
OSD	Built-in
Electronic Shutter	Auto/FLK/1/25,30sec ~ 1/60000sec
AGC	Level adjustable
DNR	Low/Middle/High
Digital Zoom	1.0X-8.0X
D-DFFECT	Mirror／Flip／D-Zoom／Defog
Back Light	HLC/BLC/WDR
SENS-UP	X2-X8
Voltage/Current	DC12V±10% / 210mA（600mA with IR on）
Operating temperature	-10˚ ~ +50˚ C
Dimension (mm)	177(W) x 76(H) x 74(D)
Weight (g)	700

Wire ports

SDI

POWER

CVBS

Application method

SDI

SDI TO HDMI

HDTV

HD MONITOR

HDMI

SDI DVR

HDTV

LAN

DC12V POWER SUPPLY

SDI DVS

PC

OSD MENU			
LENS	■ELC	■ALC		
EXPOSURE	■BRIGHTNESS	■AGC	■SENS-UP	■AGC
BACKLIGHT	■HLC	■BLC	■WDR	
WHITE BAL	■AUTO	■AUTOext	■PRESET	■MANUAL
DNR	■LOW	■MIDDLE	■HIGH	
IMAGE	■SHARPNESS ■FLIP ■SHADING	■GAMMA ■D-ZOOM ■PRIVACY	■COLOR GAIN ■AEC	■MIRROR ■DEFOG
MOTION	■SENSITIVITY ■DET H-SIZE	■WINDOW TONE ■DET V-SIZE	■DET H-POS ■MOTION OSD	■DET V-POS ■ALARM
SYSTEM	■COM. ■FRAME RATE	■IMAGE RANGE ■CVBS	■OUTPUT MODE ■LANGUAGE	■COLOR SPACE ■COLORBAR
EXIT				

How to use the camera

LENS

1.When the SETUP menu screen is displayed, select LENS by
   using the UP and Down buttons so that the arrow indi-

cates
   LENS
  * ELC/ALC: Select Fix iris and Auto Iris Lens.

EXPOSURE

1.Using this function, you can control screen brightness.
► BRIGHTNESS: You can control the brightness .
► SHUTTER: MANUAL/AUTO.
   * MANUAL
     NTSC: 1/30 ~ 1/60000,
     PAL: 1/25 ~ 1/60000,
   * FLICKER: Select this when you picture flicker.
   * AUTO: Select this mode to control the shutter speed automatically. Shutter speed is automatically controlled depending on the brightness of the screen.
   ► SENS-UP: When it is night, the camera automatically detects the light level and maintains a clear picture.
   ► AGC: You can adjust it . The higher the gain level, the brighter the screen but the higher the noise.

BACKLIGHT

►HLC: To inhibit strong light and compensate brightness of the area around it.
   * LEVEL:0-20   * MODE :ALL DAY/NIGHT ONLY
   ► BACKLIGHT: This function allows you to get a clear pictures of objects even the objects in strong backlight.
   * H-POS/V-POS/H-SIZE/V-SIZE
   ► WDR: If there are bright area and dark area on the screen at the same time, this function makes both areas to be in clear image.
   * LOW/MIDDLE/HIGH

WHITE BAL.

According to the color temperature of environment to adjust the camera's color.
   * AUTO/AUTOext/PRESET/MANUAL

DNR

This function reduces the background noise in a low luminance
environment.
   * LOW/MIDDLE/HIGH

IMAGE

► SHARPNESS（0~10）: Adjust the sharpness of the image.
► GAMMA: Set the GAMMA value of camera.
► COLOR GAIN: 0~20.
► MIRROR: you can flip the image horizontally.
► FLIP: you can flip the image vertically.
► D-ZOOM: 1.0X~8.0X.
► ACE: Adaptive Color Enhancement.
   If there are bright area and dark area on the screen at the same time, this function makes both areas to be in clear image.
   * OFF/LOW/MIDDLE/HIGH
► SHADING: Lens shading compensation.
► PRIVACY: Hide an area you want to hide on the screen.
   * ZONE NUM : 0~15
   * ZONE DISP : ON/OFF
   * H-POS/V-POS/H-SIZE/V-SIZE
   * Y-LEVEL/CR-LEVEL/CB-LVEL

MOTION

► SENSITIVITY: When the number is high, the detection is increased to recognize even small movement.
► WINDOW TONE: 0~6.
► DET H-POS:0~60.
► DET V-POS:0~40.
► DET H-SIZE:0~60.
► DET V-SIZE:0~40.
► MOTION OSD: ON/OFF.
► ALARM: ON/OFF.

SYSTEM

► COM.: Communication settings.
   * CAM ID/BAUDRATE
► IMAGE RANGE: USER/FULL/COMP.
► OUTPUT MODE: 1080P/720P.
► COLOR SPACE: HD-CbCr/YUV/SD-CbCr.
► FRAME RATE: 25FPS/30FPS.
► CVBS: PAL/NTSC.
► LANGUAGE: ENG/CHN/CHN(S)/JPN/KOR.
► COLORBAR: OFF/ON.
► RESET