VIEW

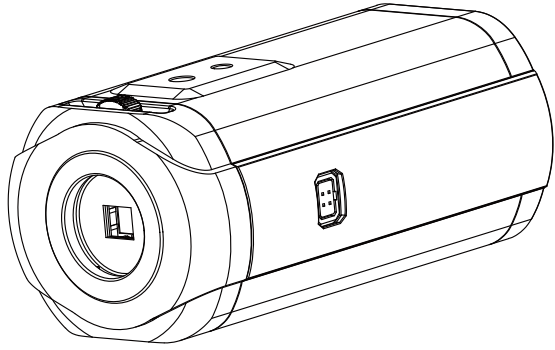## Analog HD Box Camera
User Manual

V531-CR036-200
VER. 03/2020

Parts Descriptions

Top View

Rear View

Front View

Side View

Accessories

C-CS Mount Adaptor X1
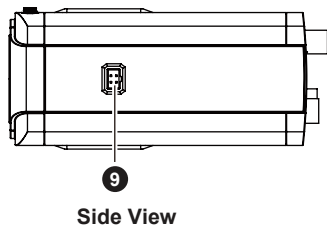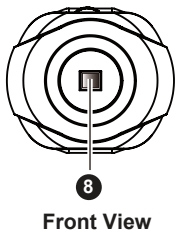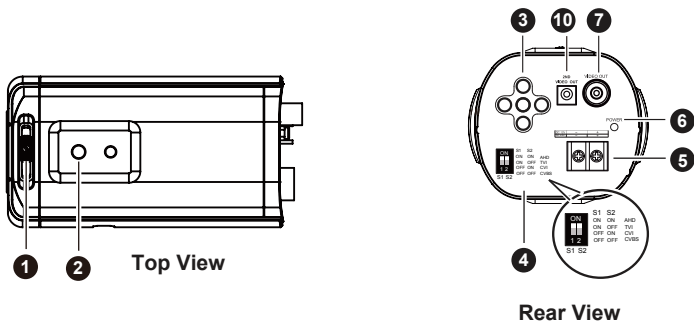
1. Back Focus Adjustment
2. Bracket Mount
3. OSD Control
4. Dip Switch
5. Power Input Terminal Block
6. Power LED Indicator
7. BNC Composite Video Output
8. CMOS Sensor
9. DC Lens Connector
10. Second Video Output

Specifications

| General Specifications	
TV System	NTSC / PAL
Scanning Frequency	NTSC: 60Hz / PAL: 50Hz
Iris Type	Auto Iris
Image Sensor	1/2.9'' CMOS Sensor
Effective Picture	2 Megapixel
Resolution	2000(H)*1121(V)
S/N Ratio	≤44 dB (AGC OFF)
Minimum Illumination	Color: 0.1 Lux ; B&W: 0.05Lux
Video Output	AHD/TVI/CVI/CVBS
Power Source	DC12V±10%；AC24V±20%
Power Consumption	2.8 W Max
Operaing Temperature	-10℃-+50℃
Storage Temperature	-20℃-+60℃
Functional Specifications	
AES	AUTO/1/30-1/50000 Sec
BLC/HLC	Off / On
AGC Gain Control	Support
Day/Night Control	Auto/External Control/Color/B&W
White Balance	Auto / Auto Ext / Preset / Manual
UTC Remotely Transmission	DVR Remotely Control
D-WDR	OFF/ON
Defog	Off / On,Low / Middle / High
Motion Detection	OFF/ON, 4 Zones
Privacy Zone	4 Privacy Zones
Sharpness	0-10
Digital Noise Reduction	2D/3D NR
Language	English/Simplified Chinese/Traditional Chinese/German/ French/Italian/Spanish Polish/Russian/Portuguese/Dutch/ Turkish

Precautions

- Do not attempt to aim the camera at the sun or other extremely bright objects. This may cause damage to the CMOS and the void of warranty.
- Do not touch the lens or the CMOS by hands while installing or adjusting the camera. This may cause damage to the camera.
- Do not attempt to disassemble the camera, any damage caused by disassembly is not covered by guarantee.

Camera Installation

The camera can be mounted by using either the bracket mount on the top or bottom.
The bracket mounts accept standard photographic mounting bolts (1/4" BSW or 20 UNC).

Bracket Mount

Protective Cover
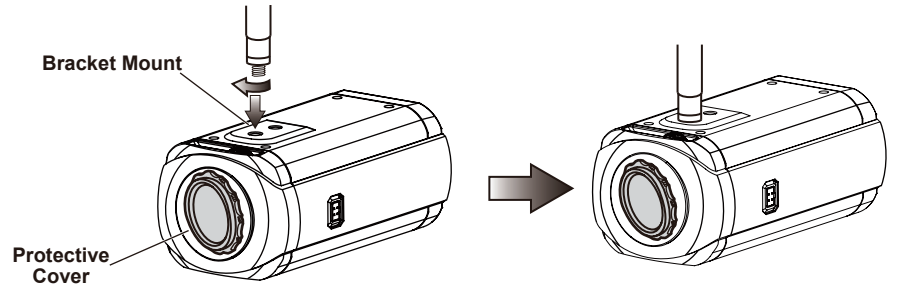
⚠ Ensure the bracket, screws (inc. wall plugs, if used) and mounting surface can support the load of the camera and bracket.

Connecting to the Power Source and Video Output

The camera operates at either 24 VAC or 12 VDC.
Connections are indicated in the rear panel of the camera.
The power supply must be stable power source and should only be installed by qualified personnel.
Connect the 75 Ohm coaxial cable to video output.

AC/DC Low Voltage (24VAC /12VDC)

Video Output

Power Input Terminal
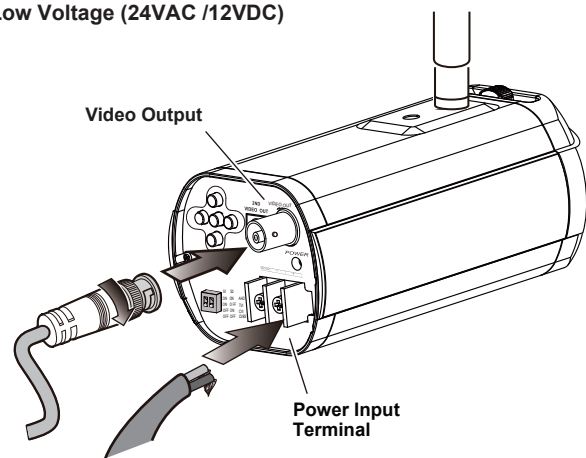
Connection and Adjustment

Lens Installation

■ Installing the Lens

First remove the protective cover from the camera. If mounting a C-Mount lens, attach the C-CS mount adaptor to the camera.

Adjust the Back Focus to acquire a sharp image (see Back Focus Adjustment).

Back Focus Adjustment Lever

Protective Cover

Zoom and Focus Adjustment Levers

Lens (Not Supplied)

C-CS Mount Adaptor (for C-type Lens)
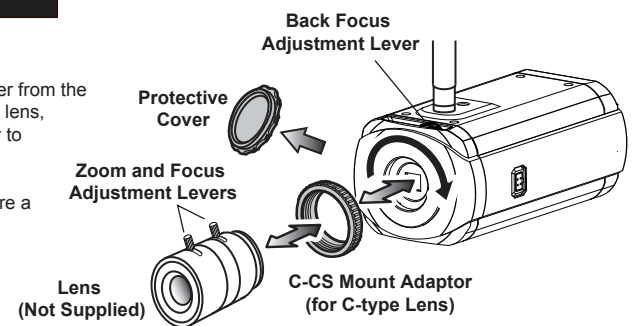
■ Back Focus Adjustment

There is a mechanism for back focus adjustment.
Loosen the back focus locking screw.
Move the adjustment lever to obtain optimum focus of the image.

Tighten the screw to lock the back focus
 adjustment lever in place.

Back Focus Adjustment Lever
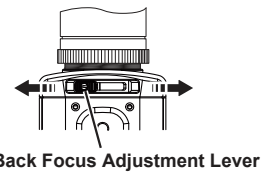
Manual / Fixed Lens Mounting

For Manual / Fixed Lens application

1. Adjust the Back Focus to the correct position then secure the screw.
2. Adjust the Zoom and Focus levers of the lens to acquire a clear image and the required field of view.

Back Focus Adjustment Lever

Zoom and Focus Adjustment Levers

Lens (Not Supplied)

Camera OSD Menu

```
LENS ············· ····· MANUAL
                  ···· DC ·········· MODE ····· OUTDOOR ···· 1/30(25)
                                                          ··· 1/60(50)–1/50000
                                          INDOOR ····· RETURN ······· RET/SAVE&END
                         ···· IRIS SPEED ···· 0~15

                         ····· RETURN ···· RET/SAVE&END


EXPOSURES············   ····· SHUTTER ········· AUTO/1/25–X30/···
                       ···· AGC ·········· 0~15
                       ···· SENS-UP ····· OFF
                                          AUTO ········· X2–X30
                                          ···
                       ···· BRIGHTNESS ······ 1~100
                       ···· D-WDR ········· OFF
                                          AUTO
                                          ON ······ LEVEL ········ 0~8
                                                    RETURN ········ RET/SAVE&END
                       ····· DEFOG ······ OFF
                                          AUTO ······ POS/SIZE
                                                      GRADATION ···· 0~2
                                                      DEFAULT
                                                      RETURN ······· RET/SAVE&END


BACKLIGHT ········· ···· OFF
                   ···· BLC ·········· LEVEL ······· MIDDLE/HIGH/LOW
                                       AREA
                                       DEFAULT
                                       RETURN ······· RET/SAVE&END
                   ···· HSBLC ····· SELECT ······· AREA1/AREA2/AREA3/AREA4
                                    DISPLAY ······· ON/OFF
                                    BLACK MASK···ON/OFF
                                    LEVEL ········· 0~100
                                    MODE ········· NIGHT ···· 0~255
                                                   ALL DAY    RETURN ········RET/SAVE&END
                                    DEFAULT
                                    RETURN ·······RET/SAVE&END


WHITE BAL ········· ···· ATW
                   ···· AWC→SET
                   ···· INDOOR
                   ···· OUTDOOR
                   ···· MANUAL ······· BLUE ········ 0~100
                                       RED ········ 0~100
                                       RETURN ········RET/SAVE&END


DAY & NIGHT ········ ···· EXT ············· D→N(DELAY)···3~60
                                            N→D(DELAY)···3~60
                    ···· AUTO ············· D→N(AGC) ·····1~204
                                            D→N(DELAY)···1~60
                                            N→D(AGC) ···1~204
                                            N→D(DELAY) ···1~60
                    ···· COLOR
                    ···· B/W ············· BURST ········· ON/OFF
                                           IR SMART······· ON/OFF ······ LEVEL ······· 0~15
                                                                         AREA
                                           RETURN ······· RET/SAVE&END


NR ·············· ···· 2DNR ·········· OFF/LOW/MIDDLE/HIGH
                 ···· 3DNR ·········· OFF/LOW/MIDDLE/HIGH
                 ···· RETURN ········· RET/SAVE&END


SPECIAL ········· ···· CAM TITLE ········· OFF/ON
                  ···· D-EFFECT ····· FREEZE ········· OFF/ON
                                      MIRROR ········ OFF/MIRROR/V-FLIP/ROTATE/···
                                      NEG.IMAGE ···· OFF/ON
                                      RETURN ···· RET/SAVE&END
                  ···· MOTION ····· OFF
                                    ON ····· SELECT ········ AREA1/AREA2/AREA3/AREA4
                                             DISPLAY ····· OFF/ON
                                             SENSITIVITY······0~100
                                             COLOR ········ WHITE/RED/GREEN/BLUE
                                             TRANS ········· 1.0/0.75/0.25/0.00
                                             ALARM ···· VIEW TYPE ····· ALL/OFF/BLOCK/OUTLINE
                                                        OSD  VIEW ····· ON/OFF
                                                        ALARM OUT·····ON/OFF
                                                        TIME ········· 0~15
                                                        RETURN ········RET/SAVE&END
                                             DEFAULT
                                             RETURN ······· RET/SAVE&END
                  ···· PRIVACY ············ OFF
                                            ON ····· SELECT ······ AREA1/AREA2/AREA3/AREA4
                                                     DISPLAY ········ OFF/MOSAIC/INV./INV./COLOR
                                                     COLOR ········ WHITE/BLACK/RED/BLUE/YELLOW/GREEN/CYAN/USER
                                                     TRANS. ········ 1.00/0.75/0.5/0.25
                                                     DEFAULT
                                                     RETURN
                  ···· LANGUAGE ········ ENG/CHN1/CHN2/GER/FRA/ITA/SPA/POL/RUS/POR/NED/TUR
                  ···· DEFECT ····· LIVE DPC ····· ON ········· AGC LEVEL ···· 0~255
                                                   OFF          LEVEL ········ 0~100
                                                                RETURN ······ RET/SAVE&END
                                    WHITE DPC ···· ON           POS/SIZE
                                                   OFF          START
                                                                DCP VIEW·········OFF/ON
                                                                LEVEL ···········0~100
                                                                AGC ···········0~14
                                                                SENS-UP ······· X2–X30
                                                                RETURN ·········· RET/SAVE&END
                                    BLACK DPC ···· ON           POS/SIZE
                                                   OFF          START
                                                                DPC VIEW·········OFF/ON
                                                                LEVEL ···········0~100
                                                                RETURN ······ RET/SAVE&END
                  ···· RS485 ··········· CAM ID ········ 0~255
                                         ID DISPLAY ····· OFF/ON
                                         BAUDRATE······2400/4800/9600/19200/38400
                                         RETURN ····· RET/SAVE&END
                  ···· RETURN ········ RET/SAVE&END


ADJUST ········· ···· SHARPNESS ····· AUTO········· LEVEL ······ 0~10
                                      OFF           START AGC····0~255
                                                    END AGC ···· 0~255
                                                    RETURN ······ RET/SAVE&END
                 ···· MONITOR ···· LCD ········· GAMA ······ USER/0.45~1.0
                                                 BLUE GAIN······0~100
                                                 RED GAIN······0~100
                                                 RETURN ······ RET/SAVE & END
                                   CRT ········· BLUE GAIN ······ 0~100
                                                 RED GAIN ····· 0~100
                                                 RETURN ······ RET/SAVE&END
                 ···· LSC ············· OFF/ON
                 ···· VIDEO.OUT ········· NTSC/PAL
                 ···· RETURN ········· RET/SAVE&END


EXIT ············· SAVE&END/RESET/NOT SAVE
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