

**HTC-11GWD28DID / Hi-resolution  
COLOR WD VANDAL DOME CAMERA**

The DSP Color DOME camera HTC-11GWD28DID incorporated advanced 1/3" high performing CMOS Sensor and digital signal processor (DSP) circuit.

HTC-11GWD28DID (NTSC) Color CMOS Camera incorporated the sensor 380,000 pixels, 1/3"

1/3" sensor XPosure technology with 388K (PAL/ NTSC) pixels

**Features:**

\*Innovative XPosure technology optimizes the exposure of each pixel, allow capturing more accurate picture quality

\*CMOS solution with advanced analog-to-digital converter (ADC) for better dynamic range, approximately 250 times better than average camera's back light compensation

\*Dynamic range from 95dB

\*High-resolution 520 horizontal TV lines

\*Outstanding signal to noise ratio of up to 48dB

\*Sharp performance operating under harsh lighting environments, special lighting can be neglected for quick and easy installation

\*Automated system captures image in low lights (0.5 lux), with S/N ratio up to 48dB

\*Automatic white balance ensures good quality color rendition under all lighting conditions NTSC/ PAL selectable in one camera

\*Multi-function switchable: ATW/ATW-WIDE/NAGC/SAGC/Day&Night/Mirror

\*4 WD modes selectable: General I & II, Outdoor and Indoor

## Specification

Item No.	HTC-11GWD28DID	
Image sensor	1/3" CMOS image sensor	
Singal system	PAL	NTSC
Picture elements	720 H x 540 V	720 H x 540 V
Scanning system	625/ 50 lines	525/ 60 lines
Advanced Sync System	Internal / External automatic	
Resolution	520 TV lines	
Minimum illumination	0.5 lux at F1.2 (Color mode, 30 IRE, SAGC)	
S / N ratio	Better than 48dB	
Digital electronic MISC	pan / tilt / 4x zoom	
Control Method	OSD control	
Camera ID	12 Character generator	
System	NTSC / PAL selectable	
Light control	Adjust the light gain of AES / AIS modes	
Sync.system	Internal / External	
White balance	ATW/ ATW1/Hold	
Gamma corretion	0.45	
Location	General, Outside, Office, Custom setting	
PTZ	Zoom times adjstment with Pan Tilt	
Exit	Save, No change, Factory default	
White Balance	2000 to 11,000 °K	
Gain	AGC On/ Off	
Dynamic Range	95dB typical/ 120dB max	
IP ratio	IP66	
Video output signal	Composite: 1.0 V p-p at 75Ω load	
Lens selection	3.0-12mm F1.4-360 A.I lens (default)	
Operating temperature	-10°C to 50°C	
Power source	DC 12V / AC 24V	
Power consumption	260mA	
Dimension	ϕ 155x102(H)mm	

\*\*\*SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE

# OSD MENU

## Up Button:

This button is used to move the cursor upwards. Use this button to select an item or adjust the parameters.

## Down Button:

This button is used to move the cursor downwards. Use this button to select an item or adjust the parameters.

## Right Button:

This button is used to move the cursor to the right. Use this button to select or adjust the parameters of the select item. The parameter changes each time as this button is pressed.

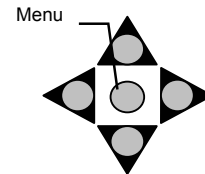
## Left Button:

This button is used to move the cursor to the left. Use this button to select or adjust the parameters of the select item. The parameter changes each time as this button is pressed.

## Menu Button:

This button is used to set the determined parameters. If the item has its own setting menu, press his button to display the setting menu. Press this button for 2 seconds and the menu screen will appear. Hold this button for another 2 seconds and any writing on the screen will disappear.

LANGUAGE	<ENGLISH/中文>
<b>BASIC SETUP.</b>	
VIDEO SIGNAL..	
VIDEO FORMAT	<PAL/NTSC>
VIDEO LEVEL	<100~120 adjustable; 110 default;>
PREVIOUS PAGE	
MIRROR	<OFF/ON>
<b>IMAGE ADJUST..</b>	
GAMMA MODE	<AUTO../MANUAL>
GAMMA	<25~100> adjustable; 110 default;
PREVIOUS PAGE	
SHARPNESS	<-8~8> adjustable; 0 default;
SATURATION	<-8~8> adjustable; 0 default;
PREVIOUS PAGE	
<b>TITLE..</b>	
DISPLAY	<ON/OFF>
TITLE:	<CAMERA_1>
POSITION	<UP-LEFT / UP-CENTER / UP-RIGHT / DOWN-LEFT / DOWN-RIGHT>
PREVIOUS PAGE	



**LENS SELECT** MANUAL/DC../VIDEO..

**DC LENS**

GAIN <0~255> adjustable; 120 default;

AI THRESHOLD <-42~60> adjustable; -18 default;

PREVIOUS PAGE

**VIDEO LENS**

GAIN <0~255> adjustable; 50 default;

AI THRESHOLD <-42~60> adjustable; -18 default;

PREVIOUS PAGE

**SYNC** INT/L.L..

PHASE N <0~624> adjustable; 519 default;

PREVIOUS PAGE

PREVIOUS PAGE

**EXPOSURE..**

**WHITE BALANCE** <ATW/AWB../ATW XTND/MANUAL..>

**AWB**

CANCEL.

SAVE.

\*\*\*\* WARNING\*\*\*\*

Current WB Properties will be written to ROM

**MANUAL**

RED <-20~20> adjustable; -18 default;

BLUE <-20~20> adjustable; 13 default;

PREVIOUS PAGE

**AE PREFs** <HIGHLIGHT/SHADOW>

**GAIN MODE** <AUTO../MANUAL..>

**AUTO**

BIAS <-18~18> adjustable; 0 default;

LIMIT <0~60> adjustable; 26 default;

PREVIOUS PAGE

**MANUAL**

GAIN <-42~60> adjustable; 0 default;

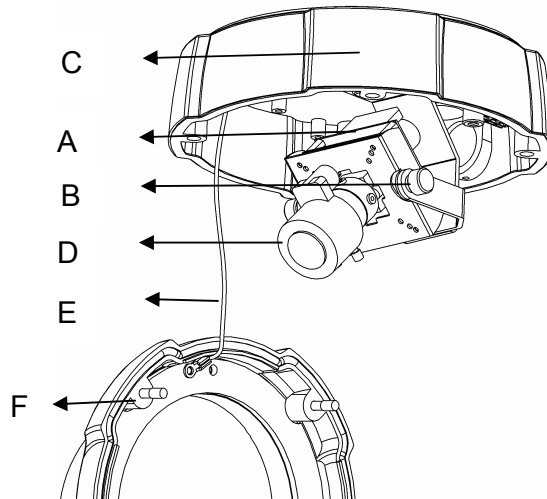
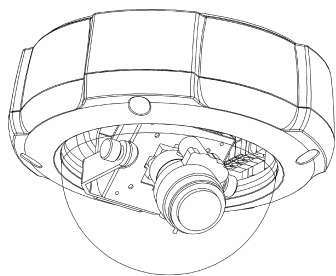
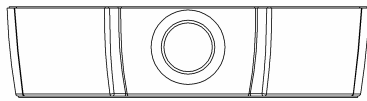
PREVIOUS PAGE

**WD RANGE..**

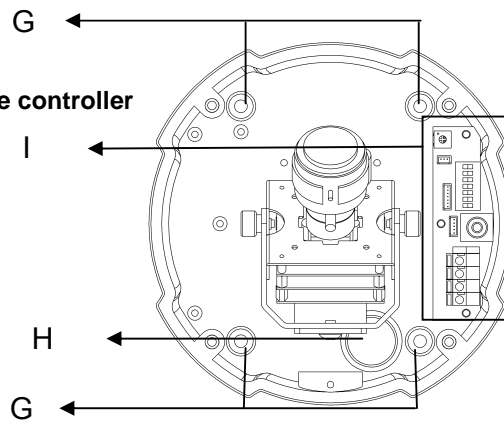
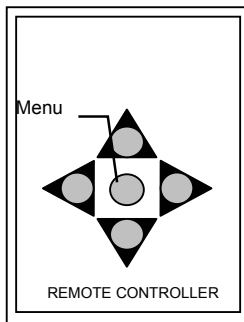
BIAS <-36~36> adjustable; 0 default;

LIMIT	<0~36> adjustable; 26 default;
PREVIOUS PAGE	
<b>LOW LIGHT</b>	<LOW SHUTTER../GAIN>
SHUTTER LIMIT	<x2/ x4/ x8/ x16/ x32>
PREVIOUS PAGE	
<b>PREVIOUS PAGE</b>	
<b>ADVANCED SETUP..</b>	
<b>ZONE EXPOSURE..</b>	
METER MODE	<FOREGROUND/BACKGROUND>
F.G PRESETS	<MOST SCREEN/CENTER SPOT/ LOWER 1/3 /FULL SCREEN>
F.GROUND ZONES..	
ENABLE ZONES	<1 ONLY/2 ONLY/3 ONLY/4 ONLY/ALL>
ADJUST ZONE 1	
ADJUST ZONE 2	
ADJUST ZONE 3	
ADJUST ZONE 4	
PREVIOUS PAGE	
B.GROUND ZONES..	
ENABLE ZONES	<1 ONLY/2 ONLY/3 ONLY/4 ONLY/ALL>
ADJUST ZONE 1	
ADJUST ZONE 2	
ADJUST ZONE 3	
ADJUST ZONE 4	
PREVIOUS PAGE	
<b>TRANSITIONS</b>	<SLOW/NORMAL/FAST>
<b>DAY/NIGHT SETUP</b>	<OFF/AUTO../EXT>
D/N CONTROL..	

# Name of Parts and Functions



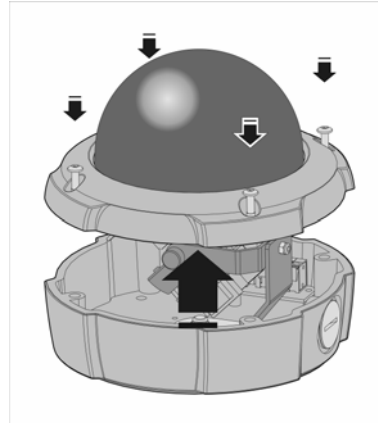
- A. Camera
- B. Bracket
- C. Bottom housing
- D. Varifocal lens
- E. Safety strin
- F. Upper housing
- G. Screw hole
- H. Cable hole
- I. Control board, WD model is using **remote controller**



## Installation Procedure

### Step 1: Removing dome cover

Remove dome cover from the main body by loosening the four dome cover mounting screws.

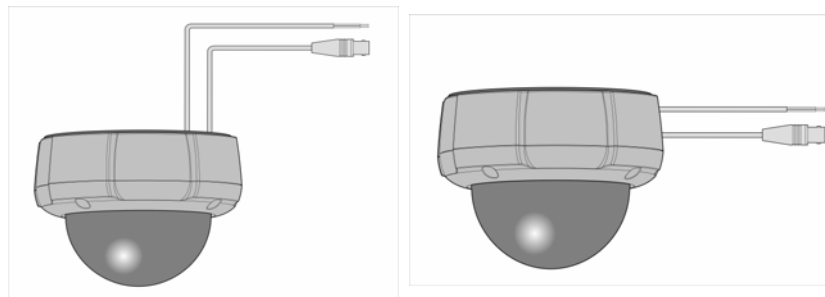


### Step 2: Securing camera

Place mounting plate sticker at position which the camera will be mounted and fix the screw holder

### Step 3: Cable arrangement

The right side connection should be made by qualified service person or system



installers. It is necessary to make sure that the cable hole has been protected with waterproof installation process when the cable connect from the side by metal pipe which is G1/2 format

### Step 4: Adjust 3 Axes bracket

Horizontal angle adjustment - by turning the platform to adjust the horizontal angle 180 degrees:360 degrees

Vertical angle adjustment - by turning the platforms to adjust the vertical angle: 90 degrees

**Step 5: Reinstall the dome cover to the main body by tighten four dome cover mounting screws**

