FOR A GOOD REASON
GRUNDIG

GCT-K1326V
2 MEGAPIXEL FULL HD VF FIXDOME HD-TVI CAMERA LED, WDR

User Manual

Thank you for purchasing our product. If there are any questions, or requests, please do not hesitate to contact the dealer.

This manual may contain several technical incorrect places or printing errors, and the content is subject to change without notice. The updates will be added to the new version of this manual. We will readily improve or update the products or procedures described in the manual.

Privacy Notice
Surveillance laws vary by jurisdiction. Check all relevant laws in your jurisdiction before using this product for surveillance purposes to ensure that your use of this product conforms. Please refer to the product specification for camera parameters and functions.

Regulatory Information

EU Conformity Statement

FCC Information

FCC Conditions

1 INTRODUCTION

1.1 Product Features
This camera adopts new generation sensor with high sensitivity and advanced circuit board design technology. It possesses the features of high resolution, low distortion, and low noise, etc. It is extremely suitable for supervisory system and image processing system.

The main features are as follows:
• High performance CMOS sensor and high resolution bring high-quality image;
• Low illumination;
• Support IR cut filter with auto switch;
• OSD menu, parameters are configurable;
• Support auto white balance, auto gain control, electronic shutter control and internal synchronization;
• SMART IR mode;
• Unit transmission control;
• Advanced 3-axis design meets different installation requirements.
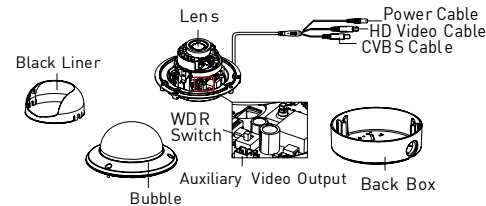
1.2 Overview

Figure 1-1 Overview

2 INSTALLATION

Before you start:
• Please make sure that the device in the package is in good condition and all the assembly parts are included.
• Make sure that all the related equipment is power-off during the installation.
• Check the specification of the products for the installation environment.
• Check whether the power supply is matched with your power output to avoid damage.
• Please make sure the wall is strong enough to withstand three times the weight of the camera and the mounting.
• If the wall is the cement wall, you need to insert expansion screws before you install the camera. If the wall is the wooden wall, you can use self-tapping screw to secure the camera.
• If the product does not function properly, please contact your dealer or the nearest service center. Do not disassemble the camera for repair or maintenance by yourself.

2.1 Ceiling
Steps:
1. Drill the screw holes and the cable hole on the ceiling according to the supplied drill template.
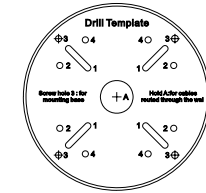

Figure 2-1 The Drill Template

2. Loosen the screws on the bubble to remove the bubble and the black liner.
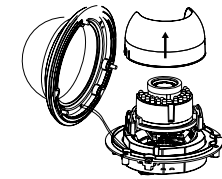
Figure 2-2 Remove the Bubble

3. Attach the back box to the ceiling and secure them with supplied self-tapping screws.
4. Route the cables through the cable hole.
5. Align the camera with the back box/base plate, and tighten the set screws to secure the camera with the back box/base plate.

Figure 2-3 Fix the Camera to the Ceiling

6. Connect the corresponding cables.
7. Adjust the camera according to the figure below to get an optimum angle.
8. Fit the black liner on the camera and tighten the screws on the bubble to complete.

Figure 2-4 Zoom and Focus Adjustment

2.2 In-ceiling Mounting

NOTE

You need to purchase an in-ceiling mount separately if you adopt in-celling mounting.

Steps:
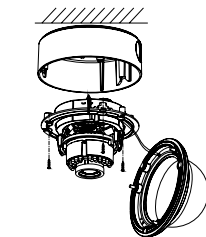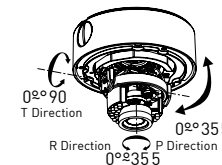1. Drill the screw holes and the cable hole in the ceiling according to the supplied drill template.
2. Screw the bolts through the mount by aligning with the 2 bolt holes. Fit the toggles onto the bolts.
3. Push the two toggle bolts through the two screw holes on the ceiling. Rotate the bolt till the toggle holds the ceiling tightly.
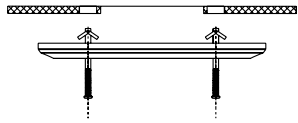
Figure 2-5 Install the Mount

4. Route and connect the corresponding cables.
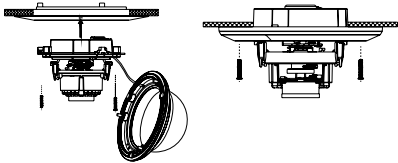5. Fix the camera to the in-ceiling mount with the supplied screws.

Figure 2-6 Fix the Camera to the Mount

6. Repeat steps 6-8 of the Ceiling Mounting section to complete the installation.
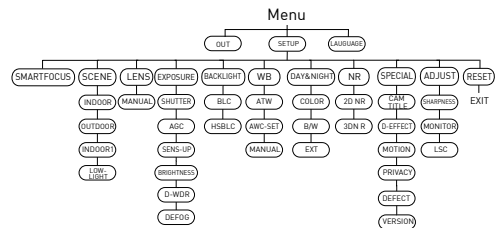
3 MENU OPERATION

Figure 3-1 Main Menu

NOTE

You can call the menu with the internal OSD Control Stick and adjust the camera parameters. You can also call the menu with supported TVI DVR.

3.1 Video Out
PAL or NTSC is selectable.

3.2 Language
English, German, French, Italian, Spanish, Polish, Russian, Portuguese, Dutch, Turkish etc. are selectable.

3.3 Setup

3.3.1 Scene
You can select indoor, outdoor, indoor 1 and low-light as the working environments.

3.3.2 Lens
The camera is equipped with a vario lens with fix aperture.

3.3.3 Exposure
SHUTTER:
AUTO,1/25, 1/50, FLK, 1/200, 1/400, 1/1k, 1/2k, 1/5k, 1/10k and 1/50k are selectable.

AGC:
You can set the AGC value from 0 to 15.

SENS-UP:
You can set the SENS-UP to OFF or AUTO, x2, x4, x6, x8, x10, x15, x20, x25 and x30 are selectable.

BRIGHTNESS:
You can set the brightness value from 1 to 100.

D-WDR:
You can set the D-WDR as ON or OFF.

DEFOG:
You can set the defog function as ON to enable the function. Position, size, and the defog gradation are configurable.

```
         EXPOSURE

1. SHUTTER      AUTO
2. AGC          OFF
3. SENS-UP      ---
4. BRIGHTNES    ---|----- 40
5. D-WDR        OFF
6. DEFOG        OFF
7. RETURN       RET
```
Figure 3-2 Exposure

```
          HSBLC

1. SELECT       AREA 1
2. DISPLAY      ON ↵
3. LEVEL        ---|----- 40
4. MODE         ALL DAY
5. BLACK MASK   ON
6. DEFAULT      ↵
7. RETURN       RET
```
Figure 3-3 HSBLC

3.3.4 Backlight
Backlight Compensation (BLC):
- **GAIN:** Set the gain of BLC as High, Middle, or Low.
- **AREA:** Press the up/down/left/right button to define the BLC position and size. Select RET or AGAIN to go back the BLC menu or re-define the BLC area.
- **Default:** Restore the BLC settings to the default.

- **HSBLC:** Select an HSBLC area. Set the DISPLAY status as ON. Press the up/down/left/right button to define the area position and size. Set the HSBLC LEVEL from 0 to 100. Select ALL DAY or Night for the HSBLC mode. Set the BLACK MASK status as ON or OFF.

```
           WDR

1. GAIN        HIGH LOW MIDDLE
2. WDR BRIGHT  0 ... 38 ... 60
3. WDR OFF SET 0 ... 60
4. RETURN      RET
```
Figure 3-4 WDR

3.3.5 White Balance (WB)
ATW (Auto-tracking White Balance), AWC → SET, MANUAL are selectable.

3.3.6 Day & Night
Color, B/W, and EXT are selectable for DAY and NIGHT switches. In EXT you can set the LEDs as ON or OFF.

3.3.7 NR
2D NR:
You can set 2D NR status as ON or OFF.

3D NR:
Set the Smart NR status as ON and adjust the 3D smart NR sensitivity ranges from 0 to 100. Set the 3D NR LEVEL ranges from 0 to 100. Set the START AGC level as the threshold to enable AGC, and set the END AGC level as the threshold to disable AGC.

```
      2D&3D  NR

1. 2DNR       OFF
2. 3DNR       ON↵
3. RETURNR    ET
```
Figure 3-5 NR

```
          3D  NR
1. SMARTN RO   N↵
2. LEVEL       ------|--80
3. START.A GC  -|-----10
4. END.AGC-    |-----10
5. RETURN      RET
```
Figure 3-6 3D NR

3.3.8 Special
Camera Title: Edit the camera title on this section.
D-effect:
- **FREEZE:** Set the freeze function as ON or OFF.
- **MIRROR:** OFF, MIRROR, V-FLIP, and ROTATE are selectable for mirror.
- **D-ZOOM:** Define the zoom area by configuring the position from PAN & TILT.
- **SMART D-ZOOM:** The D-Zoom area, sensitivity and time are configurable.
- **NEG. IMAGE:** Set the NEG. IMAGE as ON or OFF.

```
         SPECIAL

1. CAMT ITLE   ON ↵
2. D-DFFECT    ↵
3. MOTION      OFF
4. PRIVACYO    FF
5. LANGUAGEE   NG ↵
6. DEFECT      ↵
7. RETURN      RET
```
Figure 3-7 Special

```
          MOTION

1. SELECT       AREA 1
2. DISPLAYO     N ↵
3. SENSITIVITY- -|-- 30
4. MOTION VIEW  ON
5. DEFAULT      ↵
6. RETURN       RET
```
Figure 3-8 Motion Detection

Motion:
Select a MOTION area. Set the DISPLAY status as ON or OFF. Press the up/down/left/right button to define the position and size of the area. Set the SENSITIVITY from 0 to 60. Set the MOTION VIEW status as ON or OFF.

Privacy:
Select a PRIVACY area. Set the DISPLAY status as INV, MOSAIC, COLOR or OFF. Press the up/down/left/right button to define the position and size of the area.

Defect:
LIVE DPC, STATIC DPC and Black DPC are adjustable in this section.

```
          PRIVACY

1. SELECT       AREA1
2. DISPLAYM     OSAIC ↵
3. COLOR1       0
4. TRANS.       1
5. DEFAULT      ↵
6. RETURN       RET
```
Figure 3-9 Privacy Mask

```
          ADJUST

1. SHARPNESS ------|15
2. MONITOR     LCD ↵
3. LSCO        FF
4. RETURN      RET
```
Figure 3-10 Adjust

3.3.9 Adjust
Sharpness:
Adjust the sharpness from 0 to 15.

Monitor:
Monitor CRT, and Monitor LCD are selectable.

LSC: Set the LSC status as ON or OFF.

3.3.10 Reset
Reset all the settings to the default.

3.3.11 Exit
Press OK to exit the menu.