# HIKVISION

# 19/22/24-inch LCD Display Unit

# User Manual

Thank you for purchasing our product. If there is any question or request, please do not hesitate to contact us. This manual may contain several technically incorrect places or printing errors, and the content is subject to change without notice. The updates will be added into the new version of this manual. We will readily improve or update the products or described in the manual.

Hikvision® 19/22/24-inch LCD Display Unit User's Manual

## Regulatory Information

2002/96/EC (WEEE directive): Products marked with this symbol cannot be disposed of as unsorted municipal waste in the European Union. For proper recycling, return this product to your local supplier upon the purchase of equivalent new equipment, or dispose of it at designated collection points. For more information see: www.recyclethis.info.

2006/66/EC (battery directive): This product contains a battery that cannot be disposed of as unsorted municipal waste in the European Union. See the product documentation for specific battery information. The battery is marked with this symbol, which may include lettering to indicate cadmium (Cd), lead (Pb), or mercury (Hg). For proper recycling, return the battery to your supplier or to a designated collection point. For more information see: www.recyclethis.info.

# Chapter1. Introduction

## 1.1 Key Features

- DS-D5019 Series:Support 1366×768 HD display;
- DS-D5022/5024 Series:Supports 1920×1080 FHD dispiay;
- User-friendly operation menu;
- Three image modes to adapt different environment;
- 1 channel HDMI 1.3 input interface;
- Support software spread-spectrum technology to reduce EMI radiation;
- Standby Power Consumption is lower than 0.5W;
- DS-D5019:Viewing Angle:Horizontal 90°, Vertical 65° ;
- DS-D5022/24:Viewing Angle:Horizontal 170°, Vertical 160° ;
- 2Wx2 Speakers efficient output;

## 1.2 Power Supply Connection

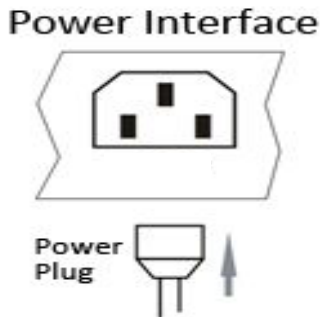Insert the 3-pin power device into well-grounded socket and turn the rocker switch on.



Figure 1.1 Power Input

- Power input specification from 100VAC to 240VAC or provide automatic switching between high line and low line input ranges.
- Turn off the main power switch of the display unit, and pull the plug from the power outlet if the display unit will not be used for a long time.
- Never connect the device to a DC power.

# Chapter2. Device Interfaces



Interfaces 1



Interfaces 2
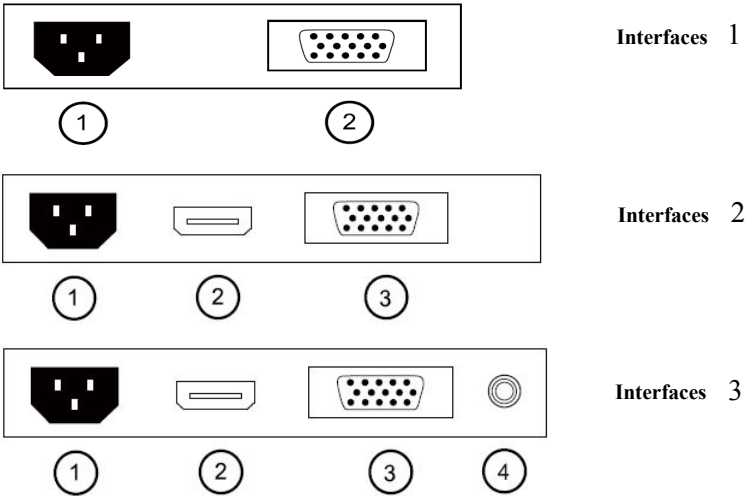


Interfaces 3

Figure 2.1 Rear Panel of Device

| Interfaces | Interfaces 1 | Interfaces 2 | Interfaces 3 |
| --- | --- | --- | --- |
| POWER IN | Power Input | Power Input | Power Input |
| VGA IN | VGA Analog Signal Input | VGA Analog Signal Input | VGA Analog Signal Input |
| HDMI IN | | HDMI Digital Signal Input | HDMI Digital Signal Input |
| AUDIO IN | | | Audio Input |

# Chapter3. Panel Keys

Keys on lower right corner of the display unit panel are shown in the Figure 3.1 Keys on the Display Unit.



Figure 3.1 Keys on the Display Unit

The functions of the keys on lower right corner of the display unit vary according to different situations.

# Chapter4. Basic Operation

## 4.1 Input Source Selection(optional)

Turn on the display unit when the power supply is on and input source is confirmed.

Press ◄ key of the remote controller to enter the menu as shown on the right. DS-D5019/22 /24inch LCD display unit includes 2 input sources as HDMI and VGA signal. Press direction keys to select the input source and press **MENU** to accomplish the input source selection.

Figure 4.1 Input Source

## 4.1 Contrast

Press ◄ key of the remote controller to enter the menu as shown on the right. press ◄ or ► to adjust the value of contrast.Press **MENU** to accomplish the contrast adjustment.

Figure 4.1 Input Source

## 4.2 Input Audio Volume Adjustment(optional)

Turn on the display unit when the power supply is on and input source is confirmed.

Press ► key of the remote controller to enter the menu as shown on the right.press ◄ or ► to adjust the value of volume. press **MENU** to accomplish the volume adjustment.

Figure 4.2 Audio Volume

## 4.2 Brightness                                    ►

Press ► key of the remote controller to enter the menu as shown on the right.press ◄ or ► to adjust the value of Brightness. press **MENU** to accomplish the Brightness adjustment.
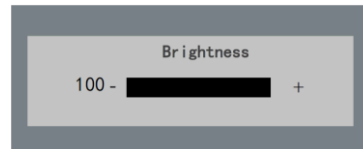
Figure 4.2 Brightness

## 4.3 Auto Adjust

Turn on the display unit when the power supply is on and input source is confirmed.

Press **AUTO** key of the remote controller to enter the menu as shown on the right(In VGA Signal).
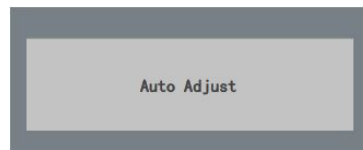
Figure 4.3 Input Source

## 4.4  Main Menu

## 4.4.1 Image Settings

*Purpose:*

You can adjust the picture parameters by switching image modes and adjust the values of contrast, brightness, color temperature,auto adjust,color adjust.

*Steps:*

1. Press **MENU** key to enter the main menu interface as shown below.
2. Press **MENU** key to enter the setting you want.
3. Press ◄ or ► to adjust the value. It applies for adjusting contrast, brightness, color temp and other parameters.

> NOTE
> ● Contrast, Brightness: Press ◄ or ► to set the contrast, the range varies from 0-100.
> ● Color temperature :Press ◄ or ► to set the color temperature you need.
> ● Gray indicates that under current mode or current input source condition it is not adjustable; Yellow indicates that it is adjustable.

  **4.**Press **AUTO** key to return to the main menu after accomplishing the adjustment.
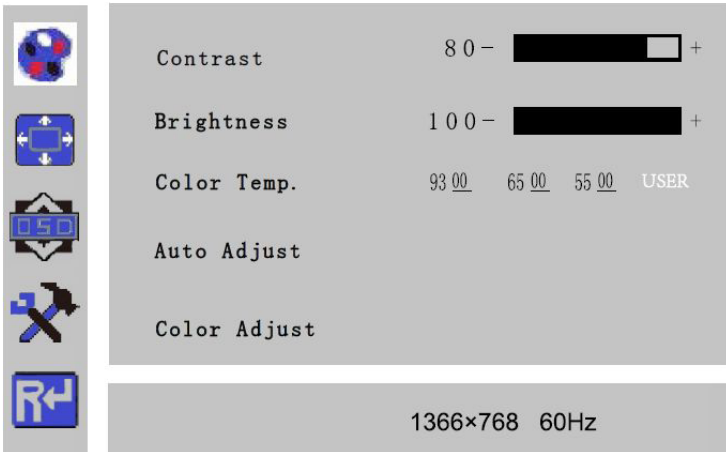
| | | |
|---|---|---|
| | Contrast | 80 — � + |
| | Brightness | 100 — ▮▮▮ + |
| | Color Temp. | 93 00   65 00   55 00   USER |
| | Auto Adjust | |
| | Color Adjust | |
| | 1366×768  60Hz | |

Figure 4.4.1 Image Settings

## 4.4.2 Image Adjustment

*Purpose:*

When the input source is selected VGA, you can adjust the VGA parameters. It is for adjusting VGA H position, V Position, clock and phase.

*Steps:*

1. Press **Menu** key to enter the main menu interface.
2. Press ◄ key to enter the VGA parameter setting interface. (You can select **Auto Adjust** and press ◄ or ► to adjust the VGA parameters automatically or adjust it manually)
3. Select **H Position** and press ◄ or ► to adjust the **H Position**
4. Select **V Position** and press ◄ or ► to adjust the **V position**.
5. Select **Clock** and press ◄ or ► to adjust the **clock**.
6. Select **Phase** and press ◄ or ► to adjust the **phase**.

NOTE

The range of the adjustment varies between 0-100.

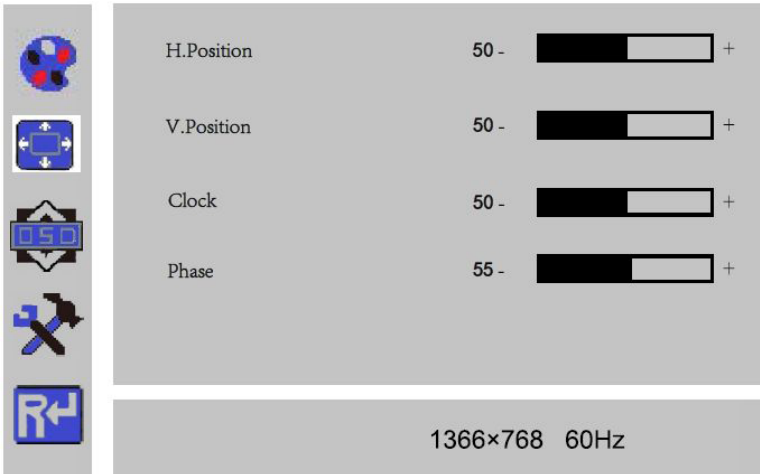7. Press **MENU** key to return to the main menu after accomplishing the adjustment.



Figure 4.4.2 Image Adjustment

## 4.4.3 OSD Setting

*Purpose:*

You can set the language, blending and OSD duration of the menu.

*Steps:*

1. Press **MENU** key to enter the main menu interface.
2. Press ◄ key twice and press **MENU** key to enter the【**Language**】interface, press ◄ or ► to switch the language you want.
3. Select **OSD H.Pos/OSD V.Pos** to adjust the position of OSD with ◄ or ►.
4. Select **OSD Timer** to adjust the OSD duration with ◄ or ►: **5Sec~60Sec**.
5. Select **Transparency** to adjust the OSD    transparency value with ◄ or ►.
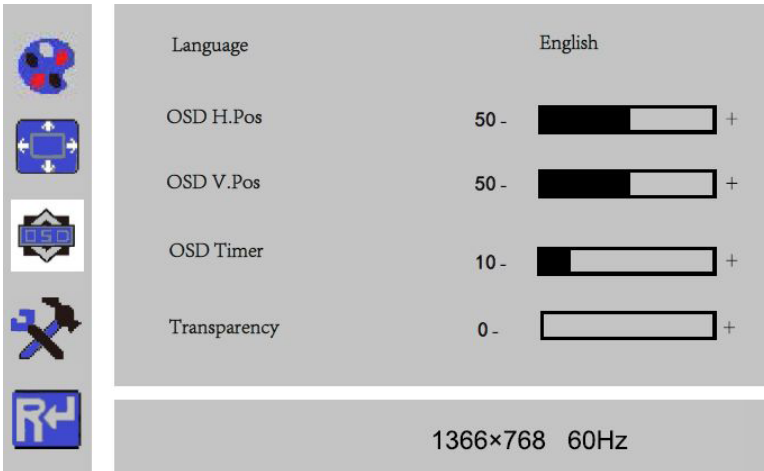6. Press **AUTO** key to return to the main menu after accomplishing the adjustment.

Figure 4.4.3 OSD Setting

## 4.4.4 Other Settings

*Purpose:*

You can set Mode,Audio Volume,Signal Source,Aspect Ratio,DCR.

*Steps:*

1. Press **MENU** key to enter the main menu interface.
2. Press triple◄ key and press MENU key to enter the **Mode** interface, press ◄ or ► to switch the mode between **PC/GAME/MOVIE**.
3. Press ◄ or ► to adjust the **Audio Volume** from0~100(optional).
4. Press ◄ or ► to change the **Signal Source** between **VGA** and **HDMI**(optional).
5. Press ◄ or ► to switch the **Aspect Ratio** between **16:9/AUTO/4:3**.
6. Press ◄ or ► to switch the **DCR On**/**Off**.
7. Press **MENU** key to return to the main menu after accomplishing the adjustment.
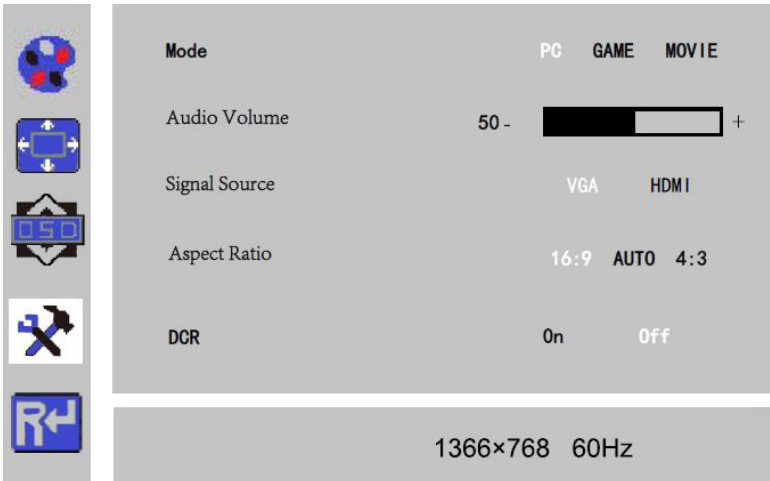


Figure4.4.4 Other Settings

## 4.4.5 Reset Setting

***Purpose:***

You can reset settings to the factory defaults.

***Steps:***

**1.**Press **MENU** key to enter the main menu interface.

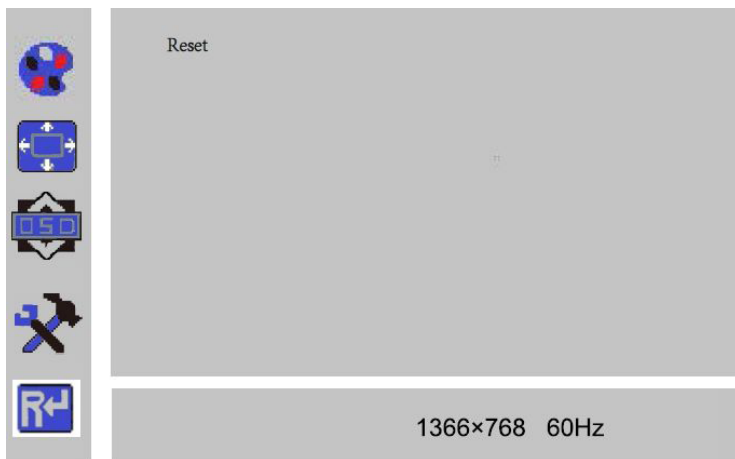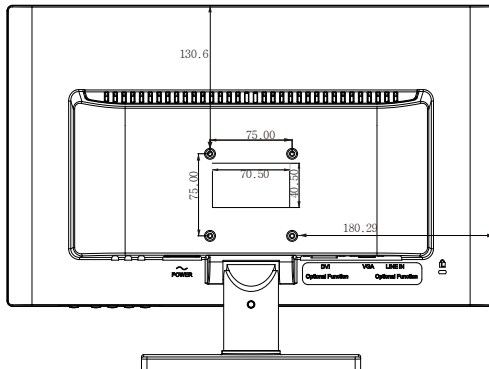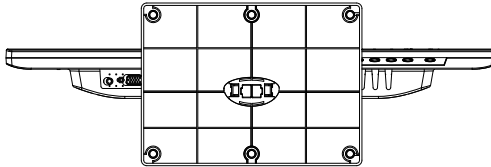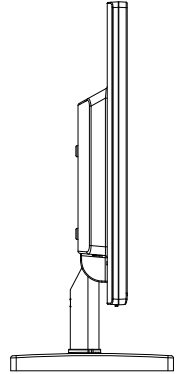**2.**Press ◄ key 4 times and press **MENU** key to reset settings to the factory defaults.



Figure 4.4.5 Reset Setting

## Appendix: Specifications

| Device Model | DS-D5019  Series | | | |
|---|---|---|---|---|
| Display Type | TFT-LED Backlight | | | |
| Screen Size | 18.5" | | | |
| Color | 16.7M | | | |
| Dot Pitch | 0.300×0.300 mm | | | |
| Max Resolution | 1366×768 | | | |
| Best Operation Resolution | 1366×768@60Hz | | | |
| Brightness | 200cd/m² | | | |
| Contrast | 600:1 | | | |
| Viewing Angle | Horizontal 90°, Vertical 65º | | | |
| Viewable Area | 409.8×230.4mm | | | |
| | | Interfaces    1 | Interfaces    2 | Interfaces    3 |
| Interfaces | VGA Input Port | 1 | 1 | 1 |
| | AC Input Port | 1 | 1 | 1 |
| | HDMI Input Port | NA | 1 | 1 |
| | AUDIO Input Port | NA | NA | 1 |
| Power Supply | AC 100-240V; 50/60Hz | | | |
| Consumption | ≤25W | | | |
| Standby Power Consumption | ≤0.5W | | | |
| Operation Temperature | 0°C~40°C (32°F~104°F) | | | |
| Operation Humidity | 10%~85% | | | |
| Storage Temperature: | -20°C~55°C (-4°F~131°F) | | | |
| Storage Humidity: | 5%~95% | | | |
| Bezel Material | Plastic | | | |
| Bezel Color | Black | | | |
| Wall-mounting Dot Site | 75×75mm | | | |
| Wall-mounting Thread | M4 | | | |
| Device Dimensions | 446×335×148mm | | | |
| Package Dimensions | 490×333×101mm | | | |
| G.W. | 3.5Kg | | | |
| N.W. | 2.8Kg | | | |
| Standard Package | Display Unit | 1 | | |
| | VGA Cord | 1 | | |
| | User Manual | 1 | | |
| | Power Cord | 1 | | |
| | Audio Cord (optional) | 1 | | |

# Structure Figure

# Appendix: Specifications

| Device Model | DS-D5022 Series | | |
|---|---|---|---|
| Display Type | TFT-LED Backlight | | |
| Screen Size | 21.5" | | |
| Dot Pitch | 0.248×0.248 mm | | |
| Max Resolution | 1920×1080 | | |
| Best Operation Resolution | 1920×1080@60Hz | | |
| Brightness | 250cd/m² | | |
| Contrast | 1000:1 | | |
| Color | 16.7M | | |
| Viewable Area | 477×268mm | | |
| Viewing Angle | Horizontal 170°, Vertical 160º | | |
| | | Interfaces 2 | Interfaces 3 |
| Interfaces2 | VGA Input Port | 1 | 1 |
| | HDMI Input Port | 1 | 1 |
| | AC Input Port | 1 | 1 |
| | AUDIO Input Port | NA | 1 |
| Power Supply | AC 100-240V; 50/60Hz | | |
| Consumption | ≤30W | | |
| Standby Power Consumption | ≤0.5W | | |
| Operation Temperature | 0°C~40°C (32°F~104°F) | | |
| Operation Humidity | 10%~85% | | |
| Storage Temperature: | -20°C~55°C (-4°F~131°F) | | |
| Storage Humidity: | 5%~95% | | |
| Bezel Material | Plastic | | |
| Bezel Color | Black | | |
| Wall-mounting Dot Site | 100×100mm | | |
| Wall-mounting Thread | M4 | | |
| Device Dimensions | 511×377×170mm | | |
| Package Dimensions | 561×426×103mm | | |
| G.W. | 4.5Kg | | |
| N.W. | 3.3Kg | | |
| Standard Package | Display Unit | 1 | |
| | VGA Cord | 1 | |
| | User Manual | 1 | |
| | Power Cord | 1 | |

# Structure Figure
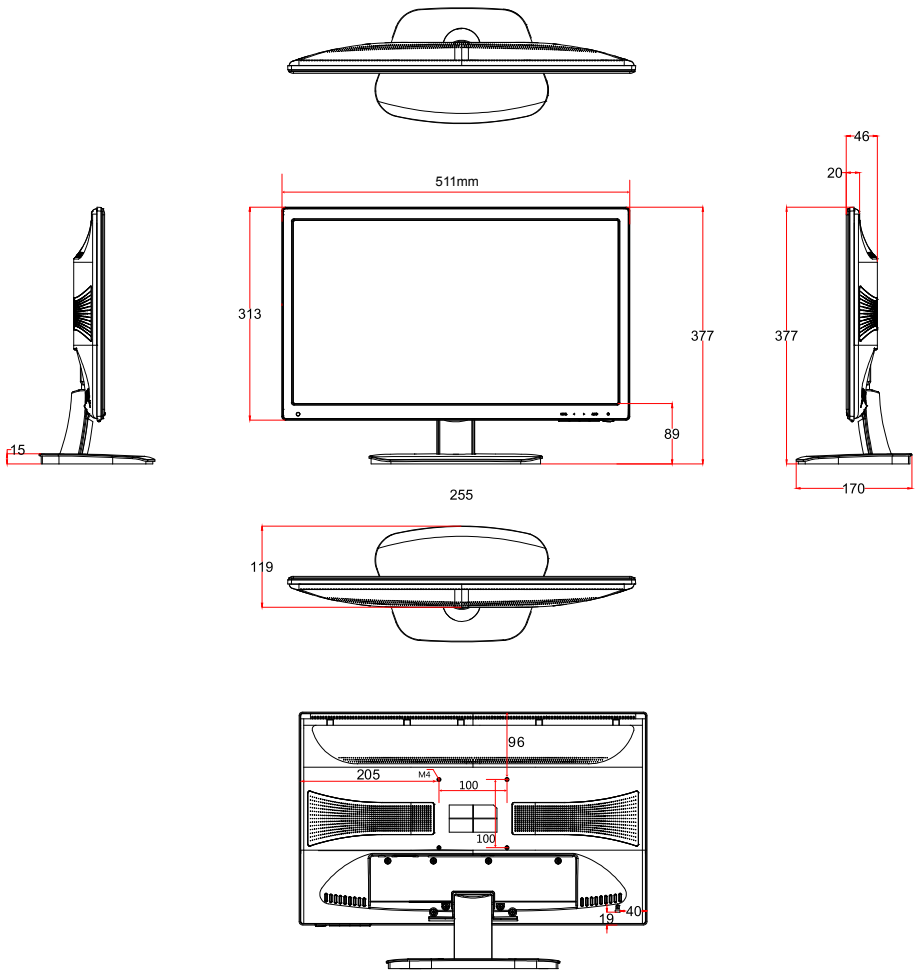
# Appendix: Specifications

| Device Model | DS-D5024 Series | | |
|---|---|---|---|
| Display Type | TFT-LED Backlight | | |
| Screen Size | 23.6" | | |
| Color | 16.7M | | |
| Dot Pitch | 0.271×0.271mm | | |
| Max Resolution | 1920×1080 | | |
| Best Operation Resolution | 1920×1080@60Hz | | |
| Brightness | 250cd/m² | | |
| Contrast | 1000:1 | | |
| Viewing Angle | Horizontal 170°, Vertical 160º | | |
| Viewable Area | 521×293mm | | |
| | | Interfaces 2 | Interfaces 3 |
| Interfaces | VGA Input Port | 1 | 1 |
| | AC Input Port | 1 | 1 |
| | HDMI Input Port | 1 | 1 |
| | AUDIO Input Port | NA | 1 |
| Power Supply | AC 100-240V; 50/60Hz | | |
| Consumption | ≤30W | | |
| Standby Power Consumption | ≤0.5W | | |
| Operation Temperature | 0°C~40°C (32°F~104°F) | | |
| Operation Humidity | 10%~85% | | |
| Storage Temperature: | -20°C~55°C (-4°F~131°F) | | |
| Storage Humidity: | 5%~95% | | |
| Bezel Material | Plastic | | |
| Bezel Color | Black | | |
| Wall-mounting Dot Site | 100×100mm | | |
| Wall-mounting Thread | M4 | | |
| Device Dimensions | 560×399×220mm | | |
| Package Dimensions | 614×465×109mm | | |
| G.W. | 5.4Kg | | |
| N.W. | 4.5Kg | | |
| Standard Package | Display Unit | 1 | |
| | VGA Cord | 1 | |
| | User Manual | 1 | |
| | Power Cord | 1 | |
| | Audio Cord (optional) | 1 | |

# Structure Figure

First Choice for Security Professionals