PUBLIC VIEW MONITOR SERIES
(10~32 inches)
1. SAFETY INSTRUCTION

※ Follow this safety instruction to use the monitor properly and prevent the damages.

※ This safety instruction has “Warning” & “Caution” as below

⚠️ Warning - If the user does not follow this instruction, it may cause the serious damage to the user.

 предостережение - это предупреждение не соблюдать указания по безопасности, что может привести к серьезным повреждениям.

⚠️ Caution - If the user does not follow this instruction, it may cause the slight damage to the user or cause some damages to the monitor.

предупреждение - это предупреждение не соблюдать указания по безопасности, что может привести к небольшим повреждениям или повреждениям мононита.

※ Keep this user’s guide book for later use.

⚠️ Warning

Never remove the back over and touch the inside of the monitor. If you need a service, please contact the service center.

Never push objects of any kind into this product as they may result in a risk of fire or electric shock.

Never consume or drink food or beverage near the monitor. If you need a service, please contact the service center.

Never remove the back over and touch the inside of the monitor. If you need a service, please contact the service center.

Keep away the monitor from the direct sunlight and a heating appliance.

Connect the power code to the wall outlet tightly. If the power code or plug are defective and the wall outlet is not tight, please do not use them.

Keep away the monitor from the direct sunlight and a heating appliance.

Connect the power code to the wall outlet tightly. If the power code or plug are defective and the wall outlet is not tight, please do not use them.
Warning

Do not install this monitor on the outside and near water. It may cause damage to the product, electric shock and fire.

For cleaning do not use liquid cleaners. Never touch the power plug with wet-hands.

When lightning and thundering, unplug the monitor from the wall outlet and never touch it.

Unplug this product from the wall outlet, when it does not operate for a long time.

When smoking and noising from the monitor, unplug the product from the wall outlet and contact a service center.

⚠️ WARNING: How to fix

Do not open this product as it contains high voltage inside. It may create an electric shock.

If the user disassembles and remove the back cover, it does not make sure to make up for the damages and do a service and exchange the monitor.
Cautions

Install this monitor some distance from the wall and do not install unless proper ventilation is provided.

Place this product on a stable place. If not, it may fall, causing serious damages to the monitor and people.

The openings must not be blocked by curtain, rug or other similar surface.

When carrying this monitor, be careful not to damage the panel and drop it. It may cause some trouble.

Before carrying the monitor, turn it off and unplug the signal cables and the power code from the wall outlet.

Take the power plug out from the wall outlet. Do not pull the cable. It may snap the inner-wires and cause overheating and fire.
Cautions

Install this monitor about 50cm far from the eyes and an angle of 0~15 degrees below eyes. Too close installation may cause having weak sight.

Do not press the LCD panel with hands or the sharpened material hardly.

For cleaning, unplug the monitor from the Wall outlet. Do not use the liquid cloth. Use the soft cloth.

Do not use the chemical liquid for cleaning. It may cause fading and breakage.

WARNING: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR WATER.

Instructions for Disposal of Electrical and Electronic Equipment in Private Households

Disposal of used Electrical and Electronic Equipment (Applicable in the European Union and other European countries with garbage separate disposal and collection methods)

This symbol on the product, or in the related documents in the package, indicates that this product shall not be treated as normal household waste. Instead, it should be taken to a proper applicable collection point or depot for the recycling of electrical and electronic equipment.

By ensuring this product is disposed of correctly, you will help prevent possible negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. The recycling of materials will help to conserve natural resources.

For more detailed information about recycling of this product, please contact your local city authority, your household waste disposal service or the place where you purchased the product.
2. FCC RF INTERFERENCE STATEMENT

NOTE
This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures.

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio, TV technician for help.
- Only shielded interface cable should be used.

Finally, any changes or modifications to the equipment by the user not expressly approved by the grantee or manufacturer could void the users authority to operate such equipment.

DOC COMPLIANCE NOTICE
This digital apparatus does not exceed the Class A limits for radio noise emissions from digital apparatus set out in the radio interference regulation of Canadian Department of communications.
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3. INSTALLATION

3-1 Parts

- LCD Monitor
- VGA Cable
- Power Cable
- Adapter (10" only)
- Battery
- Remote Controller
- User Manual
3-2 How to Install

KEY BUTTON

SHORT KEY FUNCTION

<table>
<thead>
<tr>
<th>OSD Key</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>EXIT MENU</td>
<td>Activates and exit the OSD</td>
</tr>
<tr>
<td>SOURCE</td>
<td>Select input source, and select the OSD menu</td>
</tr>
<tr>
<td>AUTO</td>
<td>Move the OSD menu and auto adjustment of RGB source</td>
</tr>
<tr>
<td>VOLUME</td>
<td>Decrease the level of volume and move the previous menu</td>
</tr>
<tr>
<td>SELECT</td>
<td>Increase the level of volume and select the OSD menu</td>
</tr>
<tr>
<td>POWER</td>
<td>Turns the power ON or OFF. There will be a few seconds delay before the display appears. The power LED (next to the power switch) lights with green when the power is turned ON. The power is turned off by pressing the power switch again and the power LED goes red.</td>
</tr>
</tbody>
</table>
CONNECTION

10 inches

1. AC POWER
   AC100~240V input

2. HDMI
   HDMI signal input

3. VGA
   VGA (PC RGB) signal input

4. CAMERA OUT
   CAMERA signal looping out

5. VIDEO IN / OUT
   VIDEO signal input / looping out

6. AUDIO (VIDEO)
   Stereo audio input for VIDEO or S-VIDEO

7. AUDIO (PC)
   Stereo audio input for VGA

8. DC POWER
   DC power input

9. MICRO SD CARD (Option)
   Micro SD Memory card slot

19, 23 inches

20, 27, 32 inches
REMOTE CONTROLLER

A  MODE SELECT MENU
- CAMERA
  Select CAMERA mode
- VGA (RGB)
  Select VGA mode
- VIDEO
  Select VIDEO mode
- HDMI
  Select HDMI mode

B  OSD CONTROL MENU
- POWER
  Turn ON / OFF the monitor
- AUTO
  Auto adjust position of the screen (in VGA mode)
- COLOR TEMPERATURE
  Select color temperature of the screen
- SCAN MODE
  Select the scan mode of the screen
- MUTE
  Turn ON / OFF the sound
- VOL- / VOL+
  Increase / Decrease the volume level
- KEY LOCK
  Locking the button (Prevent operation)
- MENU / EXIT
  Activate and exit the OSD menu

C  PIP CONTROL MENU
- S. SET
  Select between main and PIP audio input
- P. INPUT
  Select an input source for PIP mode
- P. LOCATION
  Select a location for PIP mode
- P. SIZE
  Select a size for PIP mode
- PIP
  Activates PIP/PBP mode
4. OSD MENU SETTING

4-1 Mode Setting

1. Use SOURCE button and then ▲/▼ button to move the source.
2. Press the ▶ button to select the source.
3. Press the MENU/EXIT button to exit the INPUT menu.

Inputs can be set to CAMERA, VIDEO, RGB PC & HDMI mode

<table>
<thead>
<tr>
<th>Mode</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAMERA</td>
<td>Select CAMERA mode</td>
</tr>
<tr>
<td>VIDEO</td>
<td>Select VIDEO mode</td>
</tr>
<tr>
<td>RGB PC</td>
<td>Select VGA mode</td>
</tr>
<tr>
<td>HDMI</td>
<td>Select HDMI mode</td>
</tr>
</tbody>
</table>
4-2 Menu Setting (CAMERA, VIDEO Mode)

**PICTURE**

1. Press the MENU/EXIT key to access menu.
2. Use the ▲&▼arrow to highlight a selection.
3. Press the►/SELECT to choose an item.
4. Use the ▲&▼arrow to adjust the setting on a selected item.

- **CONTRAST**: Adjust visual color contrast
- **BRIGHTNESS**: Adjust color brightness
- **COLOR**: Adjust visual color of screen
- **TINT**: Adjust tint of color
- **SHARPNESS**: Adjust sharpness of screen
- **COLOR TEMP**: Switch color temperature of screen
- **SCAN MODE**: Select the scan mode of the screen

Default setting is 60% and adjustable from range of 0 to 100%

Default setting is 50% and adjustable from range of 0 to 100%
**COLOR**

Default setting is 50% and adjustable from range of 0 to 100%

**TINT**

Default setting is 50% and adjustable from range of 0 to 100%

**SHARPNESS**

Default setting is 50% and adjustable from range of 0 to 100%

**COLOR TEMP**

Default setting is MEDIUM and switch to WARM, USER and COOL color temperature options

**USER** - Default setting of RED, GREEN, BLUE is 50% and adjustable from range of 0 to 100%
## SCAN MODE

<table>
<thead>
<tr>
<th>Picture</th>
<th>Screen Setup</th>
<th>RGB Setup</th>
<th>Cycle Setup</th>
<th>PVM Setup</th>
</tr>
</thead>
<tbody>
<tr>
<td>CONTRAST</td>
<td>BRIGHTNESS</td>
<td>COLOR</td>
<td>TINT</td>
<td>SHARPNESS</td>
</tr>
<tr>
<td></td>
<td>COLOR TEMP</td>
<td>RED</td>
<td>GREEN</td>
<td>BLUE</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Default setting is FULL, switch to UNDER and OVER scan mode options
**SETUP**

1. Press the MENU/EXIT key to access menu.
2. Use the ▲ & ▼ arrow to highlight a selection.
3. Press the ►/SELECT to choose an item.
4. Use the ▲ & ▼ arrow to choose a selection.
5. Use the ▲ & ▼ arrow to adjust the setting on a selected item.

**INPUT**

- Select an input source for main screen
- Camera, Video, RGB PC, and HDMI mode

**LANGUAGE**

- Set to different language mode
- Italian, French, Spanish, and German

**SOUND MUTE**

- Turn on/off the sound

**BUTTON LOCK**

- Locking the button (Prevent operation)

**NOISE REDUCTION**

- Set a noise reduction mode

**OSD TIME**

- Set a time duration of OSD menu

**DEFAULT**

- Factory default setting

*Inputs can be set to CAMERA, VIDEO, RGB PC, and HDMI mode*

*Default setting is ENGLISH and language setting can be set to ITALIAN, FRENCH, SPANISH and GERMAN*
**SOUND MUTE**

Default setting is OFF and switch to ON sound mute option

**BUTTON LOCK**

Default setting is OFF and switch to ON button lock option

Release the lock - Press KEY LOCK button on the remote control
- Press AUTO & VOLUME button on the key pad

**NOISE REDUCTION**

Default setting is ON and switch to OFF noise reduction option

**OSD TIME**

Default setting is 15s and adjustable from range of 5 to 30s
DEFAULT is set OSD menu to factory default
CYCLE SETUP

1. Press the MENU/EXIT key to access menu.
2. Use the ▲ & ◀ arrow to highlight a selection.
3. Press the ▶/SELECT to choose an item.
4. Use the ▲ & ◀ arrow to highlight a selection.
5. Use the ▲ & ◀ arrow to adjust the setting on a selected item.

CYCLE TIME: Adjust cycle time to be displayed on the screen.

CYCLE: Selected mode keep change continuously.

Default setting is OFF and adjustable from range of 10 to 30s.
**PVM SETUP**

1. Press the MENU/EXIT key to access menu.
2. Use the ▲&▼ arrow to highlight a selection.
3. Press the▶/SELECT to choose an item.
4. Use the ▲&▼ arrow to highlight a selection.
5. Use the ▲&▼ arrow to adjust the setting on a selected item.

**MOTION MODE**

- Set the PIR sensor mode

**MOTION INPUT**

- Select the input source of PIR sensor mode

**Default setting is OFF and switch to FULL mode options**

**Inputs can be set to CAMERA, VIDEO, RGB PC and HDMI mode**
4-3 Menu Setting (VGA Mode)

CONTRAST : Adjust visual color contrast
COLOR TEMP : Switch color temperature of screen

BRIGHTNESS : Adjust color brightness

1. Press the MENU/EXIT key to access menu.
2. Use the ▲&▼ arrow to highlight a selection.
3. Press the►/SELECT to choose an item.
4. Use the▲&▼ arrow to highlight a selection.
5. Use the▲&▼ arrow to adjust the setting on a selected item.

Default setting is 60% and adjustable from range of 0 to 100%

Default setting is 50% and adjustable from range of 0 to 100%
COLOR TEMP

Default setting is MEDIUM and switch to WARM, USER and COOL color temperature options

USER - Default setting of RED, GREEN, BLUE is 50% and adjustable from range of 0 to 100%

SCREEN

1. Press the MENU/EXIT key to access menu.
2. Use the ▲&▼arrow to highlight a selection.
3. Press the▶/SELECT to choose an item.
4. Use the ▲&▼arrow to adjust the setting on a selected item.

PIP : Activates PIP/PBP mode
**PIP**

Default setting is OFF and switch to ON, DW1 and DW2

**PIP/PBP mode options**

- **ON- PIP INPUT**: Select an input source for PIP mode (CAMERA, VIDEO)
- **PIP SIZE**: Select a size for PIP mode (SMALL, NORMAL, LARGE)
- **PIP R/T**: Select a location for PIP mode (R/B, L/B, R/T, L/T)

**SETUP**

1. Press the MENU/EXIT key to access menu.
2. Use the ▲ & ▼ arrow to highlight a selection.
3. Press the ▶/SELECT to choose an item.
4. Use the ▲ & ▼ arrow to highlight a selection.
5. Use the ▲ & ▼ arrow to adjust the setting on a selected item.

This function of each menu is listed page 16

Please refer to page 16 for SETUP menu
RGB SETUP

1. Press the MENU/EXIT key to access menu.
2. Use the ▲ & ▼ arrow to highlight a selection.
3. Press the ► / SELECT to choose an item.
4. Use the ▲ & ▼ arrow to adjust a selection.
5. Use the ▲ & ▼ arrow to adjust the setting on a selected item.

H-POSITION: Adjust horizontal position of monitor
CLOCK: Adjust clock of monitor
AUTO ADJUST: Auto adjust position of screen
AUTO REPEAT: Adjust auto repeat of monitor

V-POSITION: Adjust vertical position of monitor
PHASE: Adjust phase of monitor
POWER SAVING: Power saving mode

Can be set between 0 to 100% horizontal position of monitor by manually
Can be set between 0 to 100% vertical position of monitor by manually
**CLOCK**

*Can be set between 0 to 100% clock of monitor by manually*

**PHASE**

*Can be set between 0 to 100% phase of monitor by manually*

**AUTO ADJUST**

*Auto adjust position and image of screen*

**POWER SAVING**

*Default setting is OFF and switch to ON power saving mode*

**AUTO REPEAT**

*Default setting is OFF and switch to ON auto repeat mode*
This function of each menu is listed page 19
Please refer to page 19 for CYCLE SETUP menu

1. Press the MENU/EXIT key to access menu.
2. Use the ▲&▼arrow to highlight a selection.
3. Press the➤/SELECT to choose an item.
4. Use the ▲&▼arrow to highlight a selection.
5. Use the ▲&▼arrow to adjust the setting on a selected item.

PICTURE

SCREEN

SETUP

RGB SETUP

CYCLE SETUP

CAMERA

VIDEO

RGB PC

HDMI

CYCLE TIME

OFF

OFF

OFF

OFF

OFF

10s


PVM SETUP

1. Press the MENU/EXIT key to access menu.
2. Use the ▲&▼arrow to highlight a selection.
3. Press the➤/SELECT to choose an item.
4. Use the ▲&▼arrow to highlight a selection.
5. Use the ▲&▼arrow to adjust the setting on a selected item.

MOTION MODE : Set the PIR sensor mode
MOTION INPUT : Select the input source of PIR sensor mode
Default setting is OFF and switch to FULL, PIP, DW1 and DW2 mode options

Inputs can be set to CAMERA, VIDEO, RGB PC and HDMI mode

VGA / DVI / HDMI Mode Tables

<table>
<thead>
<tr>
<th>VGA Mode</th>
<th>MODE</th>
<th>RESOLUTION</th>
<th>VERTICAL FREQUENCY (Hz)</th>
</tr>
</thead>
<tbody>
<tr>
<td>VGA</td>
<td>720X400</td>
<td>70</td>
<td></td>
</tr>
<tr>
<td></td>
<td>640X480</td>
<td>60 / 72 / 75</td>
<td></td>
</tr>
<tr>
<td>SVGA</td>
<td>800X600</td>
<td>50 / 60 / 72 / 75</td>
<td></td>
</tr>
<tr>
<td>XGA</td>
<td>1024X768</td>
<td>50 / 60 / 75</td>
<td></td>
</tr>
<tr>
<td>SXGA</td>
<td>1280X1024</td>
<td>50 / 60 / 75</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>HDMI Mode</th>
<th>MODE</th>
<th>RESOLUTION</th>
<th>VERTICAL FREQUENCY (Hz)</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDTV 480i</td>
<td>720X480</td>
<td>30</td>
<td></td>
</tr>
<tr>
<td>EDTV 576i</td>
<td>720X576</td>
<td>25</td>
<td></td>
</tr>
<tr>
<td>SDTV 480p</td>
<td>720X480</td>
<td>60</td>
<td></td>
</tr>
<tr>
<td>SDTV 576p</td>
<td>720X576</td>
<td>60</td>
<td></td>
</tr>
<tr>
<td>HDTV 720p</td>
<td>1280X720</td>
<td>50 / 60</td>
<td></td>
</tr>
<tr>
<td>HDTV 1080i</td>
<td>1920X1080</td>
<td>30 / 25</td>
<td></td>
</tr>
<tr>
<td>HDTV 1080p</td>
<td>1920X1080</td>
<td>50 / 60</td>
<td></td>
</tr>
</tbody>
</table>

Note: Not all resolutions generated by your video source are available on the monitor.
4-4 Menu Setting (HDMI Mode)

**PICTURE**

1. Press the MENU/EXIT key to access menu.
2. Use the ▲&▼arrow to highlight a selection.
3. Press the ◀/SELECT to choose an item.
4. Use the ▲&▼arrow to highlight a selection.
5. Use the ▲&▼arrow to adjust the setting on a selected item.

**CONTRAST**
- Adjust visual color contrast

**BRIGHTNESS**
- Adjust color brightness

**COLOR**
- Adjust visual color of screen

**TINT**
- Adjust tint of color

**SHARPNESS**
- Adjust sharpness of screen

**COLOR TEMP**
- Switch color temperature of screen

**Screen Setup**
- RGB
- Setup
- Cycle Setup
- PVM

**Scan Mode**
- Full

Default setting is 60% and adjustable from range of 0 to 100%

Default setting is 50% and adjustable from range of 0 to 100%
COLOR

Default setting is 50% and adjustable from range of 0 to 100%

TINT

Default setting is 50% and adjustable from range of 0 to 100%

SHARPNESS

Default setting is 50% and adjustable from range of 0 to 100%

COLOR TEMP

Default setting is MEDIUM and switch to WARM, USER and COOL color temperature options

USER - Default setting of RED, GREEN, BLUE is 50% and adjustable from range of 0 to 100%
**SCREEN**

1. Press the MENU/EXIT key to access menu.
2. Use the ▲&▼ arrow to highlight a selection.
3. Press the►/SELECT to choose an item.
4. Use the ▲&▼arrow to choose an item.
5. Use the ▲&▼arrow to adjust the setting on a selected item.

*This function of each menu is listed page 22
Please refer to page 22 for SCREEN menu*

**SETUP**

1. Press the MENU/EXIT key to access menu.
2. Use the ▲&▼arrow to highlight a selection.
3. Press the►/SELECT to choose an item.
4. Use the ▲&▼arrow to highlight a selection.
5. Use the ▲&▼arrow to adjust the setting on a selected item.

*This function of each menu is listed page 16
Please refer to page 16 for SETUP menu*
CYCLE SETUP

1. Press the MENU/EXIT key to access menu.
2. Use the ▲ & ▼ arrow to highlight a selection.
3. Press the▶/SELECT to choose an item.
4. Use the ▲ & ▼ arrow to adjust the setting on a selected item.

This function of each menu is listed page 19
Please refer to page 19 for CYCLE SETUP menu

PVM SETUP

1. Press the MENU/EXIT key to access menu.
2. Use the ▲ & ▼ arrow to highlight a selection.
3. Press the▶/SELECT to choose an item.
4. Use the ▲ & ▼ arrow to highlight a selection.
5. Use the ▲ & ▼ arrow to adjust the setting on a selected item.

This function of each menu is listed page 26
Please refer to page 26 for PVM SETUP menu
# 4-5 Camera Setting

<table>
<thead>
<tr>
<th>EXPOSURE</th>
<th>ELC/ALC</th>
</tr>
</thead>
<tbody>
<tr>
<td>DAY / NIGHT</td>
<td>DAY / NIGHT / EXTERN / CDS / AUTO</td>
</tr>
<tr>
<td>WHITE BAL.</td>
<td>ATW / PUSH / MANUAL</td>
</tr>
</tbody>
</table>

**MONITOR**

<table>
<thead>
<tr>
<th>Setting</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>GAMMA</td>
<td>0.45~0.65</td>
</tr>
<tr>
<td>CHROMA</td>
<td>Adjustable</td>
</tr>
<tr>
<td>SHARPNESS</td>
<td>Adjustable</td>
</tr>
<tr>
<td>SHADING</td>
<td>Adjustable</td>
</tr>
<tr>
<td>PED. LV.</td>
<td>Adjustable</td>
</tr>
</tbody>
</table>

**IMAGE**

<table>
<thead>
<tr>
<th>Setting</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>BACKLIGHT</td>
<td>OFF / BLC / HLC</td>
</tr>
<tr>
<td>CONTRAST</td>
<td>OFF / D-WDR / DEFOG</td>
</tr>
<tr>
<td>POSI / NEGA</td>
<td>Selectable</td>
</tr>
<tr>
<td>H-MIRROR</td>
<td>OFF / ON</td>
</tr>
<tr>
<td>PRIVACY</td>
<td>OFF / ON</td>
</tr>
</tbody>
</table>

**DNR**

<table>
<thead>
<tr>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>OFF / LOW / MIDDLE / HIGH</td>
</tr>
</tbody>
</table>

**MOTION**

<table>
<thead>
<tr>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>OFF / ON</td>
</tr>
</tbody>
</table>

**SYSTEM**

<table>
<thead>
<tr>
<th>Setting</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAM TITLE</td>
<td>OFF / ON</td>
</tr>
<tr>
<td>CAM ID</td>
<td>Adjustable</td>
</tr>
<tr>
<td>ID DISP.</td>
<td>OFF / ON</td>
</tr>
<tr>
<td>SYNC</td>
<td>INT / LL</td>
</tr>
<tr>
<td>BAUDRATE</td>
<td>2400 / 4800 / 9600 / 57600 / 115200</td>
</tr>
<tr>
<td>COAXIAL</td>
<td>SPC300 / 15BIT / 32BIT</td>
</tr>
<tr>
<td>LANGUAGE</td>
<td>ENG / CHI</td>
</tr>
<tr>
<td>SPECIAL</td>
<td>DEFECT DET. START</td>
</tr>
<tr>
<td>FONT COLOR</td>
<td>Selectable</td>
</tr>
</tbody>
</table>

**EXIT**

<table>
<thead>
<tr>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>SAVE / INITIAL</td>
</tr>
</tbody>
</table>
## 5. FEATURE

<table>
<thead>
<tr>
<th>Display</th>
<th>10 inches</th>
<th>19 inches</th>
<th>20 inches</th>
<th>23 inches</th>
<th>27 inches</th>
<th>32 inches</th>
</tr>
</thead>
<tbody>
<tr>
<td>Screen Size</td>
<td>9.7 inches</td>
<td>19.0 inches</td>
<td>20.1 inches</td>
<td>23.0 inches</td>
<td>27.0 inches</td>
<td>31.6 inches</td>
</tr>
<tr>
<td>Resolution</td>
<td>1024*768 pixels</td>
<td>1280*1024 pixels</td>
<td>1600*1200 pixels</td>
<td>1920*1080 pixels</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pixel Pitch</td>
<td>0.192*0.192 mm</td>
<td>0.294*0.294 mm</td>
<td>0.255*0.255 mm</td>
<td>0.265*0.265 mm</td>
<td>0.311*0.311 mm</td>
<td>0.364*0.364 mm</td>
</tr>
<tr>
<td>Brightness</td>
<td>350 cd/m²</td>
<td>250 cd/m²</td>
<td>300 cd/m²</td>
<td>250 cd/m²</td>
<td>360 cd/m²</td>
<td></td>
</tr>
<tr>
<td>Contrast Ratio</td>
<td>60:1</td>
<td>1000:1</td>
<td>1000:1</td>
<td>1000:1</td>
<td>1000:1</td>
<td>1400:1</td>
</tr>
<tr>
<td>Aspect Ratio</td>
<td>4:3</td>
<td>5:4</td>
<td>4:3</td>
<td>4:3</td>
<td>16:9</td>
<td></td>
</tr>
<tr>
<td>Viewing Angle (H/V)</td>
<td>160/160 degrees</td>
<td>170/160 degrees</td>
<td>178/178 degrees</td>
<td>170/160 degrees</td>
<td>178/178 degrees</td>
<td>178/178 degrees</td>
</tr>
<tr>
<td>Display Color</td>
<td>262,144</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Response Time</td>
<td>35 ms</td>
<td>5 ms</td>
<td>6 ms</td>
<td>5 ms</td>
<td>8 ms</td>
<td></td>
</tr>
<tr>
<td>Video System</td>
<td>NTS/PAL</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Panel Life Time (hours)</td>
<td>10,000 hours</td>
<td>30,000 hours</td>
<td>45,000 hours</td>
<td>30,000 hours</td>
<td>50,000 hours</td>
<td></td>
</tr>
</tbody>
</table>

### Interface

- **Video In/Out (BNC Type)**: 1/2 (Included Cam Out)
- **VGA In (15Pin D-Sub)**: 1
- **HDMI In**: 1
- **Audio In (RCA Type)**: 1
- **PC Stereo In**: 1

### Audio

- **Built in Speakers**: Y (1W*2)
- **Built in Speakers**: Y (7.5W*2)

### Transmitter

- **Remote Control**: Y

### Features

#### Special

- **Multi Display Function**: PIP
- **Filter Type**: 3D Comb Filter
- **Deinterfacing**: Y
- **Noise reduction**: Y
- **Auto source sequencing**: Y
- **Multi Lingual Language**: Eng, Spa, Fre, Ger, Ita
- **Motion Detection**: DVR Option
- **Camera Type**: Digital WDR
- **Mechanical Design**: Pin Hole Camera
- **Image Sensor**: 1/3" 520K Color CCD
- **S/N Ratio**: >50dB
- **Resolution**: 700 TV Lines (906H)
- **Sensitivity (Normal/DSS)**: Min. 0.1 Lux / 0.05 /0.0001 Lux

### Dimension

- **Outline Dimension (w Stand)**: 9.33*1.97*8.27 inches
- **Outline Dimension (w Stand)**: 16.54*3.15*13.94 inches
- **Outline Dimension (w Stand)**: 18.03*3.15*16.64 inches
- **Outline Dimension (w Stand)**: 21.97*3.15*17.61 inches
- **Outline Dimension (w Stand)**: 25.79*3.15*17.85 inches
- **Outline Dimension (w Stand)**: 29.61*3.15*20.28 inches

### Cabinet

- **Cabinet color**: Black
- **Cabinet Material**: Electro-Galvanized Steel

### Power

- **Electrical Ratings**: AC 100~240 V (50/60Hz)

### Circumstance

- **Operating Temperature**: 0~50 celsius
- **Storage Temperature**: -20~60 celsius
- **Mounts**: VESA Mounts Size 75*75 mm / 100*100 mm / 200*200 mm
- **Ceiling Mount**: CMK-01
- **Wall**: WB-5, 10, 30, 31

### VESA Mounts Size

- **Ceiling Mount**: SIDE MOUNT(1/4-20, CMK-01)
- **Wall**: WB-2442
6. TROUBLESHOOTING

* When the following troubles are occurred, follow the trouble shooting. Before contacting a service center.

<table>
<thead>
<tr>
<th>Troubleshooting</th>
<th>Troubleshooting Tip</th>
</tr>
</thead>
<tbody>
<tr>
<td>The screen doesn’t show up</td>
<td>1. Make sure if the power supply is connected properly</td>
</tr>
<tr>
<td></td>
<td>2. Turn on the power.</td>
</tr>
<tr>
<td></td>
<td>3. Select the input signal right for the connected port.</td>
</tr>
<tr>
<td>The screen is too light or too dark</td>
<td>Control the BRIGHTNESS</td>
</tr>
<tr>
<td>The screen size is not fit for the PC</td>
<td>Press the AUTO key among keys in the front.</td>
</tr>
<tr>
<td>signal</td>
<td>(It is used only in the PC signal)</td>
</tr>
<tr>
<td>The screen color shows strange in the</td>
<td>In the FUNCTION menu of OSD menu, perform the AUTOADJUST.</td>
</tr>
<tr>
<td>PC signal</td>
<td></td>
</tr>
</tbody>
</table>

*When the following troubles are occurred, follow the trouble shooting. Before contacting a service center.*