

## User Manual

### 18" WUXGA LED-backlit LCD 1920 x 1200



1920 x 1200  
WUXGA

### RP-X119

1U LED-backlit LCD Drawer

Options :

- Speakers
- DP
- SDI
- DVI-D
- DC power



REACH

Designed and manufactured by Austin Hughes

751

## Legal Information

First English printing, May 2026

Information in this document has been carefully checked for accuracy; however, no guarantee is given to the correctness of the contents. The information in this document is subject to change without notice. We are not liable for any injury or loss that results from the use of this equipment.

## Safety Instructions

**Please read all of these instructions carefully before you use the device. Save this manual for future reference.**

- Unplug equipment before cleaning. Don't use liquid or spray detergent; use a moist cloth.
- Keep equipment away from excessive humidity and heat. Preferably, keep it in an air-conditioned environment with temperatures not exceeding 40° Celsius (104° Fahrenheit).
- When installing, place the equipment on a sturdy, level surface to prevent it from accidentally falling and causing damage to other equipment or injury to persons nearby.
- When the equipment is in an open position, do not cover, block or in any way obstruct the gap between it and the power supply. Proper air convection is necessary to keep it from overheating.
- Arrange the equipment's power cord in such a way that others won't trip or fall over it.
- If you are using a power cord that didn't ship with the equipment, ensure that it is rated for the voltage and current labelled on the equipment's electrical ratings label. The voltage rating on the cord should be higher than the one listed on the equipment's ratings label.
- Observe all precautions and warnings attached to the equipment.
- If you don't intend on using the equipment for a long time, disconnect it from the power outlet to prevent being damaged by transient over-voltage.
- Keep all liquids away from the equipment to minimize the risk of accidental spillage. Liquid spilled on to the power supply or on other hardware may cause damage, fire or electrical shock.
- Only qualified service personnel should open the chassis. Opening it yourself could damage the equipment and invalidate its warranty.
- If any part of the equipment becomes damaged or stops functioning, have it checked by qualified service personnel.

## What the warranty does not cover

- Any product, on which the serial number has been defaced, modified or removed.
- Damage, deterioration or malfunction resulting from:
  - Accident, misuse, neglect, fire, water, lightning, or other acts of nature, unauthorized product modification, or failure to follow instructions supplied with the product.
  - Repair or attempted repair by anyone not authorized by us.
  - Any damage of the product due to shipment.
  - Removal or installation of the product.
  - Causes external to the product, such as electric power fluctuation or failure.
  - Use of supplies or parts not meeting our specifications.
  - Normal wear and tear.
  - Any other causes which does not relate to a product defect.
- Removal, installation, and set-up service charges.

## Regulatory Notices Federal Communications Commission (FCC)

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 business, industrial and commercial environments.

Any changes or modifications made to this equipment may void the user's authority to operate this equipment. 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:

- Re-position 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.

# Contents

## < Part. 1 > RP-X119

|     |                               |     |
|-----|-------------------------------|-----|
| 1.1 | Package Content               | P.1 |
| 1.2 | Structure Diagram & Dimension | P.1 |
| 1.3 | Installation                  | P.3 |

## < Part. 2 > Specifications / OSD

|     |   |      |
|-----|---|------|
| 2.1 | Product Specifications                                  | P.4  |
| 2.2 | On-screen Display Operation ( OSD )                     | P.7  |
| 2.3 | Picture In Picture ( PIP ) / Picture By Picture ( PBP ) | P.10 |

## < Part. 3 > Options

|     |  |      |
|-----|--|------|
| 3.1 | 3G / HD / SD-SDI Broadcast-grade input | P.12 |
| 3.2 | Speaker, DP, DVI-D, Audio              | P.13 |
| 3.3 | DC Power                               | P.14 |

## Before Installation

- It is very important to mount the equipment in a suitable cabinet or on a stable surface.
- Make sure the place has a good ventilation, is out of direct sunlight, away from sources of excessive dust, dirt, heat, water, moisture and vibration.

## Unpacking

The equipment comes with the standard parts shown in package content. Check and make sure they are included and in good condition. If anything is missing, or damaged, contact the supplier immediately.

## How To Clean Your LCD Monitor



### Caution :

- To avoid the risk of electric shock, make sure your hands are dry before unplugging your monitor from or plugging your monitor into an electrical outlet.
- When you clean your monitor, do not press down on the LCD screen. Pressing down on the screen can scratch or damage your display. Pressure damage is not covered under warranty.
- Use only cleansers made specifically for cleaning monitors and monitor screens. Cleansers not made to clean monitors and monitor screens can scratch the LCD display or strip off the finish.
- Do not spray any kind of liquid directly onto the screen or case of your monitor. Spraying liquids directly onto the screen or case can cause damage which is not covered under warranty.
- Do not use paper towels or abrasive pads to clean your monitor. Using an abrasive pad or any wood based paper product such as paper towels can scratch your LCD screen.

## Cleaning Your Monitor

To clean your LCD safely, please follow these steps :

- ① Disconnect the power cord.
- ② Gently wipe the surface using a clean, dry microfiber cloth. Use as little pressure as possible.

## Cleaning Tough Marks and Smudges

To remove tough marks and smudges, please follow these steps :

- ① Disconnect the power cord.
- ② Spray a small amount of non-abrasive cleanser on a microfiber cloth.



**Caution : Do not spray or apply any liquids directly onto the monitor. Always apply the solution to your microfiber cloth first, not directly on the parts you are cleaning.**

- ③ Gently wipe the surface. Use as little pressure as possible.
- ④ Wait until your monitor is completely dry before plugging it in and powering it up.

## < Part 1 > RP-X119

### < 1.1 > Package Content

RP-X119



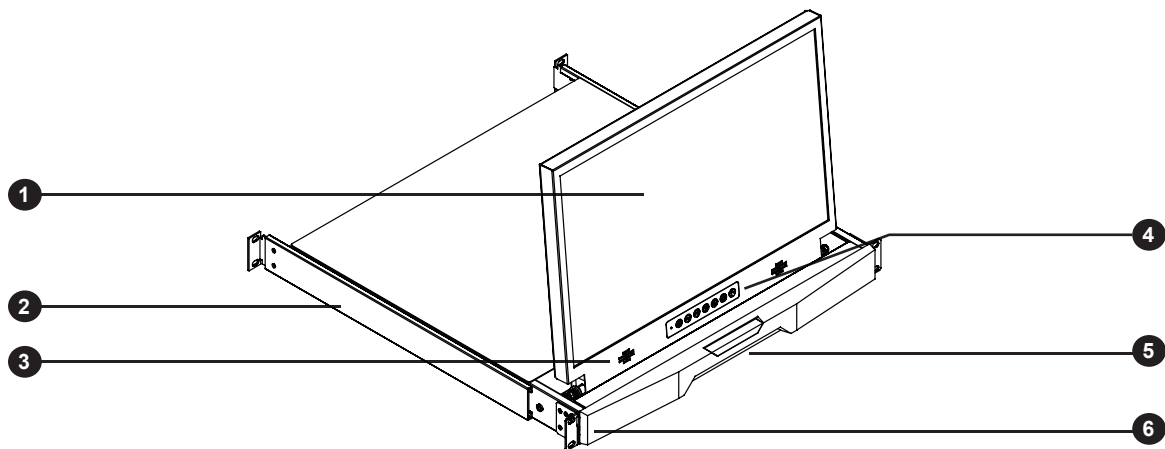
#### RP-X119 unit X 1

- 6ft VGA cable X 1
- Power cord X 1
- M6 screw, cage nut & cup washer X 8



The above package content is only for the pure model (VGA and HDMI only). It varies with options such as SDI, DVI-D, audio, touchscreen & DC power.

### < 1.2 > Structure Diagram



① LCD panel

② Installation Slide

③ Audio speaker ( optional )

④ LCD OSD membrane

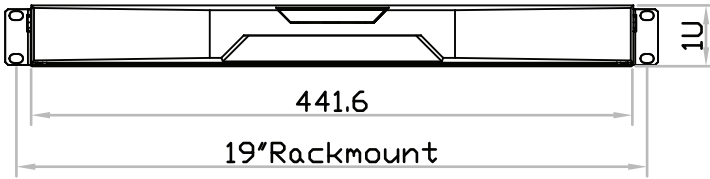


⑤ Carry handle to release the 2-pt lock

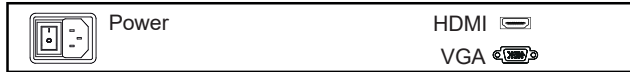
⑥ 2-point lock

## < 1.2 > Dimension

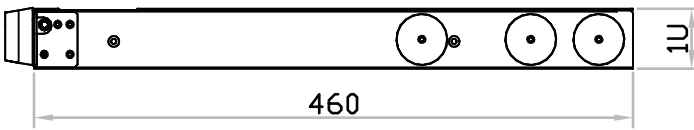
### Front View



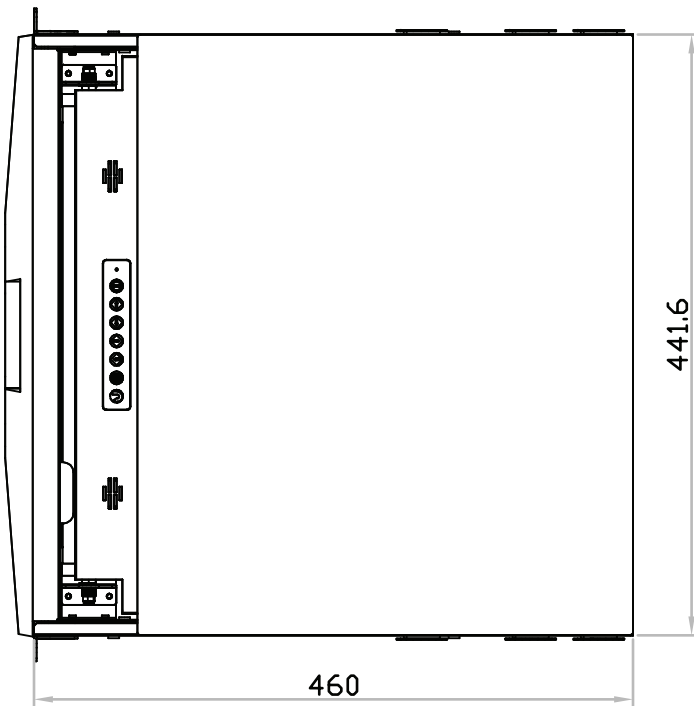
### Rear View



### Side View



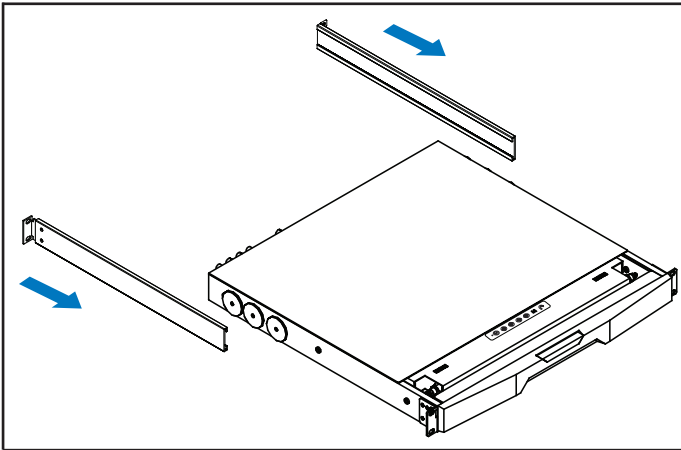
### Top View



UNIT : mm  
1mm = 0.03937 inch

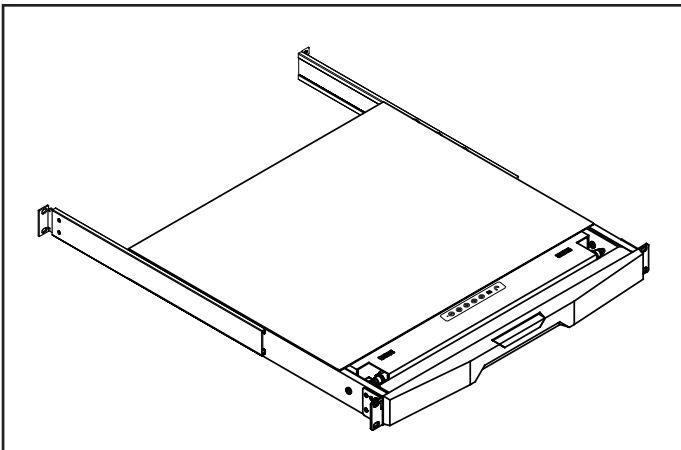
| Model   | Product Dimension<br>(W x D x H)               | Packing Dimension<br>(W x D x H)             | Net Weight       | Gross Weight   |
|---------|--|--|------------------|----------------|
| RP-X119 | 441.6 x 460 x 44 mm<br>17.4 x 18.1 x 1.73 inch | 588 x 758 x 120 mm<br>23.1 x 29.8 x 4.7 inch | 11 kg<br>24.2 lb | 15 kg<br>33 lb |

**!** The weight is only for the pure models. It varies with accessories & options such as SDI, DVI-D, DP, audio, speakers & DC power.



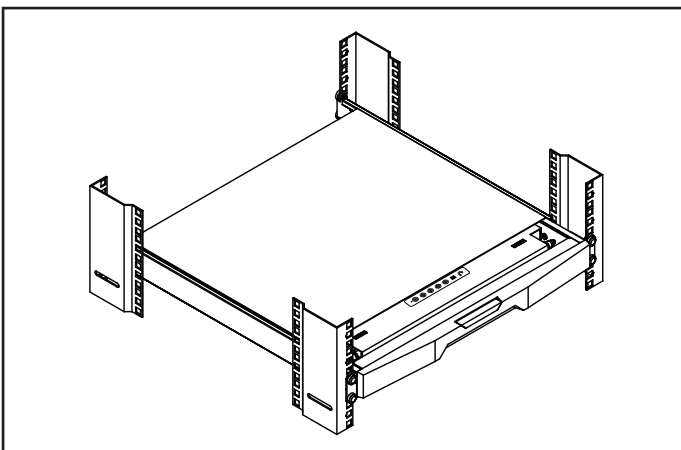
**Step 1**

- Insert the left and right rear mounting brackets into the display drawer.



**Step 2**

- Measure the depth of the front and rear mounting rails.
- Align each rear mounting bracket to a suitable length.



**Step 3**

**Complete the installation**

- Fix the display drawer into the rack.

 **M6 screw, cage nut & cup washer x 8 are provided.**



**After use the drawer**

Basically, user can push in the drawer back to park position by releasing the left & right slide lock arrow (as long as the drawer starts moving, he/she can release their finger right away, holding the arrow is not necessary).

## < Part 2 > Specifications / OSD

### < 2.1 > Product Specifications

|                              |                                |                   |
|------------------------------|--------------------------------|-------------------|
| <b>LED-backlit LCD Panel</b> | Panel Size ( diagonal )        | 18"               |
|                              | Display pixel ( dots x lines ) | 1920 x 1200       |
|                              | Brightness ( typ. )            | 300               |
|                              | Contrast Ratio ( typ. )        | 1000:1            |
|                              | Color                          | 16.7 M            |
|                              | Viewing Angle ( L/R/U/D )      | 89/89/89/89       |
|                              | Response Time ( ms )           | 9                 |
|                              | Dot pitch ( mm )               | 0.202             |
|                              | Display Area ( mm )            | 387.76H x 242.35V |
|                              | Surface treatment              | Anti-glare        |
|                              | Surface hardness               | 3H                |
|                              | Backlight Type                 | LED               |
|                              | MTBF ( hrs )                   | 15,000            |

|                           |                 |              |                           |
|---------------------------|-----------------|--------------|---------------------------|
| <b>Video Connectivity</b> | Digital         | HDMI         | HDMI 1.4, HDCP 1.4        |
|                           |                 | DVI          | DVI-D, TMDS single link   |
|                           |                 | Display Port | DP 1.0 / HDCP 1.3         |
|                           | Analog          | VGA          | Analog 0.7Vp-p            |
|                           | Plug & Play     | DVI / VGA    | VESA EDID structure 1.3   |
|                           | Synchronization | VGA          | Separate, Composite & SOG |

|                           |         |                     |        |
|---------------------------|---------|---------------------|--------|
| <b>Audio Connectivity</b> | Speaker | Dual Stereo Speaker | 2W x 2 |
|---------------------------|---------|---------------------|--------|

\* When the audio output is connected, speaker output is OFF

|              |                   |                   |                                       |
|--------------|-------------------|-------------------|---------------------------------------|
| <b>Power</b> | Power Supply      | Range             | Auto-sensing 100 to 240VAC, 50 / 60Hz |
|              | Power Consumption | Screen ON         | Max. 23W                              |
|              |                   | Power saving mode | Max. 2W                               |
|              |                   | Power button OFF  | Max. 1W                               |

|                   |               |                 |
|-------------------|---------------|-----------------|
| <b>Compliance</b> | EMC           | FCC & CE        |
|                   | Safety        | CE / LVD & UKCA |
|                   | Environmental | RoHS3 & REACH   |

|                                 |                         |             |                                    |
|---------------------------------|-------------------------|-------------|------------------------------------|
| <b>Environmental Conditions</b> | Operating               | Temperature | 0 to 55°C degree                   |
|                                 |                         | Humidity    | 10~90%, non-condensing             |
|                                 |                         | Altitude    | 16,000 ft                          |
|                                 | Storage / Non-operating | Temperature | -20 to 60°C degree                 |
|                                 |                         | Humidity    | 5~90%, non-condensing              |
|                                 |                         | Altitude    | 40,000 ft                          |
|                                 |                         | Shock       | 10G acceleration (11ms duration)   |
|                                 |                         | Vibration   | 10~300Hz 0.5G RMS random vibration |

|                               |                       |  |
|-------------------------------|-----------------------|--|
| <b>Physical Specification</b> | Product ( W x D x H ) | 441.6 x 460 x 44 mm<br>17.4 x 18.1 x 1.73 inch |
|                               | Packing ( W x D x H ) | 588 x 758 x 120 mm<br>23.1 x 29.8 x 4.7 inch   |
|                               | Net Weight            | 11 kg / 24.2 lb                                |
|                               | Gross Weight          | 15 kg / 33 lb                                  |






\* All dimensions stated are subject to change if options are selected / integrated to base model part codes

|                          |                   |              |                                       |
|--------------------------|-------------------|--------------|---------------------------------------|
| <b>Applicable Format</b> | DVI-D / VGA Input | PC Signal    | 1920 x 1200 x 60Hz                    |
|                          |                   |              | 1360 x 768 x 60Hz                     |
|                          |                   |              | 1280 x 1024 x 60 / 75Hz               |
|                          |                   |              | 1280 x 960 x 60Hz                     |
|                          |                   |              | 1280 x 768 x 60 / 75Hz                |
|                          |                   |              | 1152 x 864 x 75Hz                     |
|                          |                   |              | 1024 x 768 x 60 / 70 / 75Hz           |
|                          |                   |              | 848 x 480 x 60Hz                      |
|                          |                   |              | 800 x 600 x 60 / 72 / 75Hz            |
|                          |                   |              | 720 x 400 x 70Hz                      |
|                          |                   |              | 640 x 480 x 60 / 72 / 75Hz            |
|                          |                   |              | 640 x 400 x 70Hz                      |
|                          |                   |              | 640 x 350 x 70Hz                      |
|                          | HDMI Input        | PC Signal    | Same as VGA                           |
|                          |                   |              | Video Signal                          |
| 720p : 50 / 60Hz         |                   |              |                                       |
| 480p : 60Hz              |                   |              |                                       |
| HDMI Input               | Video Signal      | 576p : 50Hz  |                                       |
|                          |                   | Audio Signal | 2ch Linear PCM ( 32 / 44.1 / 48 KHz ) |





# Intentionally Left Blank

- Power light
- Green = On
- Orange = Power saving



| Membrane Switch   | Function  |
|---|---|
|  | Power on / off LCD  |
|  | Display the OSD menu  |
|  | Scrolls through menu options and adjusts the displayed control<br>(To auto adjustment by pressing the button  for 5 seconds) |
|  | Exit the OSD screen<br>Toggle analog, digital & video connection (DVI-D and video options only)   |

Select another video input (only available for models with multiple video input) :

- ( a ) Press the button  to call up the on-screen video mode on top right corner.
- ( b ) Use up/down arrow   to the select the video input
- ( c ) Press the button  to confirm the selection

## < 2.2 > On-screen Display Operation ( OSD )

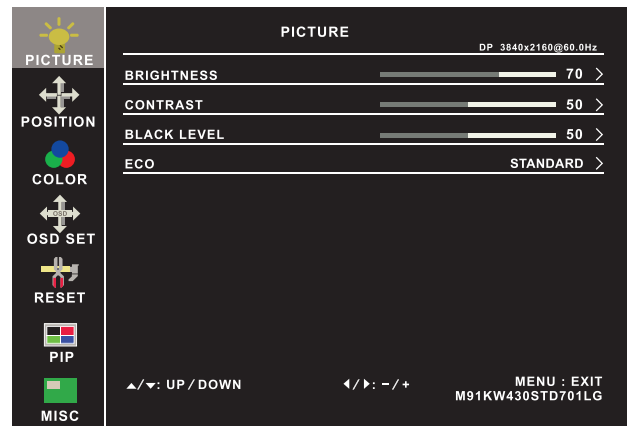
### ① Picture

Brightness : Adjust the screen brightness

Contrast : Adjust the difference between the image background ( black level ) and the foreground ( white level )

Black level : Adjust background black level of the screen

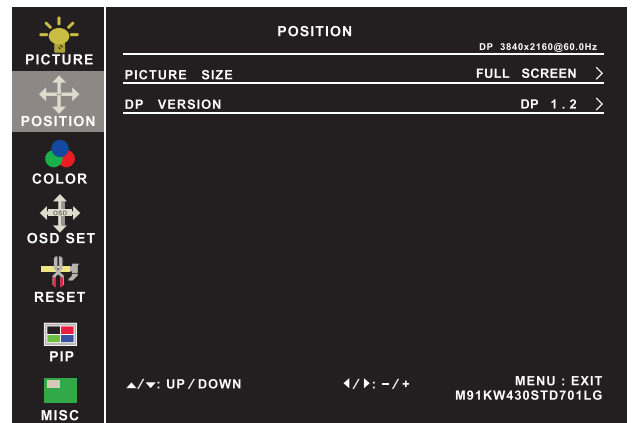
Eco : Screen in power saving mode



### ② Position

Picture size : Adjust the image size  
- Full Screen / 4:3 / 5:4 / Pixel to Pixel

DP version : Select the DP version



### ③ Color

Color temperature : User / Warm / Cool / 5400k mode and Red / Green / Blue color balance

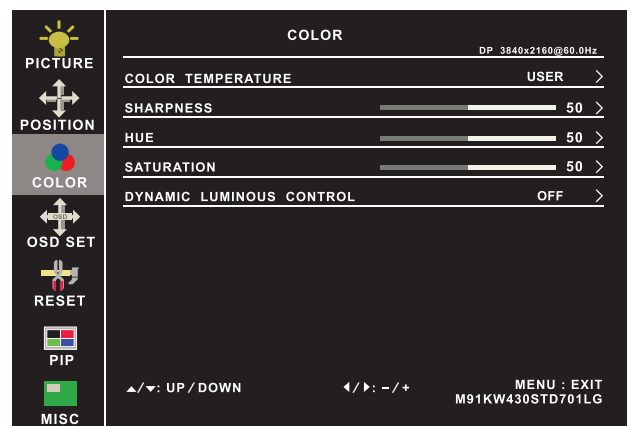
Sharpness : Adjust the image from weak to sharp

Hue : Adjust the screen hue value

Saturation : Adjust the saturation of the image color

Dynamic

luminous control : Control the dynamic brightness



### ④ OSD Set

Language : Select the language in which the OSD menu is displayed - English

OSD H-Position : Align the screen image left or right

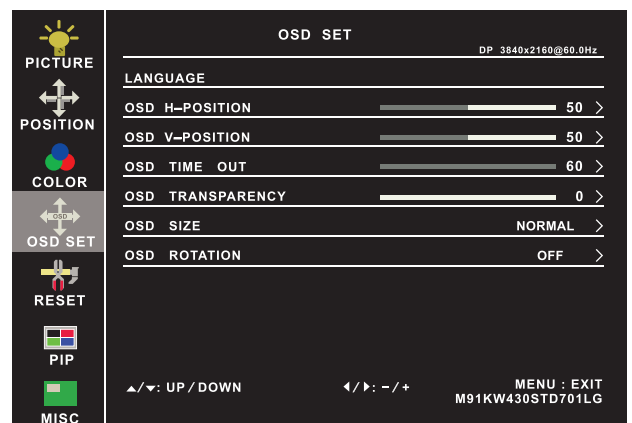
OSD V-Position : Align the screen image up or down

OSD time out : Adjust the screen timeout

OSD transparency : Adjust the screen transparency

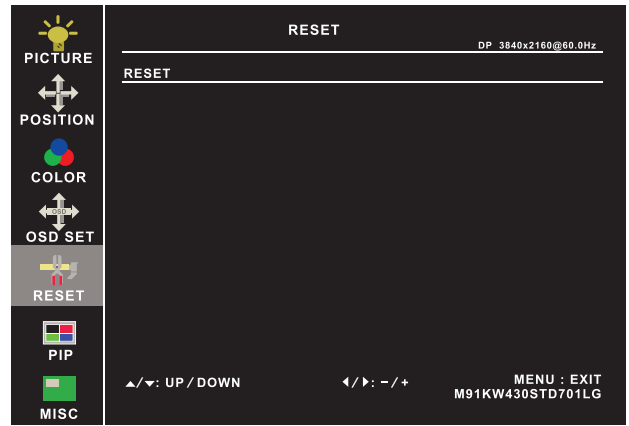
OSD size : Adjust the screen size - Normal / Small

OSD rotation : Rotate the screen - 90° / 180° / 270°



**5 Reset**

Reset : Return the adjustment back to factory setting



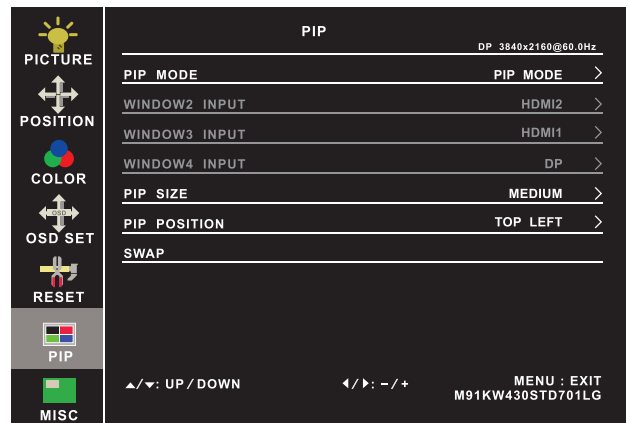
**6 PIP**

PIP mode : Enter into PIP / PBP setting - PIP MODE / PBP 2WIN ( Main screen + 1 sub screen ) / PBP 3WIN ( Main screen + 2 sub screen ) / PBP 4WIN ( Main screen + 3 sub screen )  
Select the signal input of each sub screen

PIP size : Adjust the size of the Sub screen  
- Small / Medium / Large / Huge

PIP position : Adjust the position of the Sub screen  
- Top Left / Top Right / Bottom Left / Bottom Right

Swap : Swap the input signal of PIP / PBP sub screen



**7 MISC**

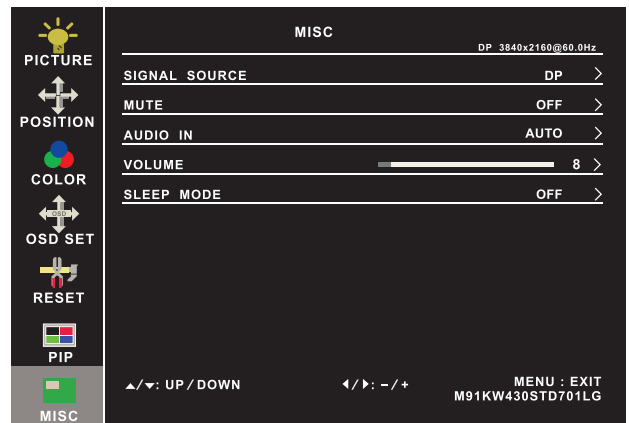
Signal source : Select the signal source - DP / HDMI1 / HDMI2

Mute : Turn off the surrounding sound

Audio in : Auto / Line in / DP

Volume : Adjust the volume of sound

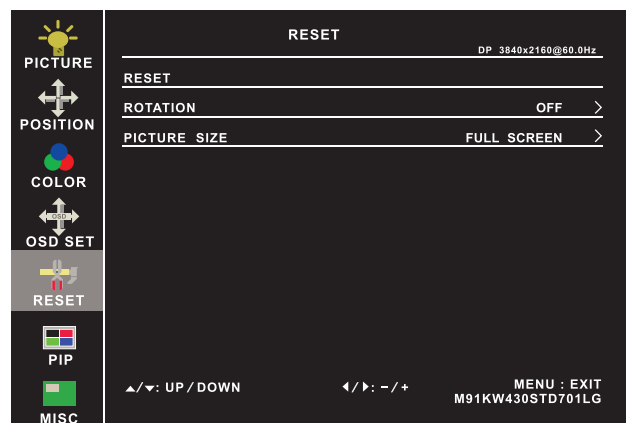
Sleep mode : Set the off time - 10 min / 20 min / 30 min / 50 min / 60 min / 120 min / 240 min



**Options on Reset page**

Rotation : Rotate the image in Full screen or 1:1  
- 90° / 180° / 270°

Picture size : Adjust the image size in Full screen or 1:1



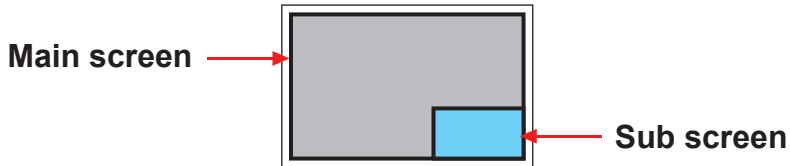
## < 2.3 > How to Use Picture In Picture ( PIP ) / Picture By Picture ( PBP )

### < 2.3.1 > Picture in Picture ( PIP )

#### Mode

Display the Sub screen in the Main screen.

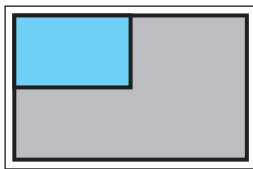
OSD Menu → MISC → PIP Mode → Large / Small / OFF



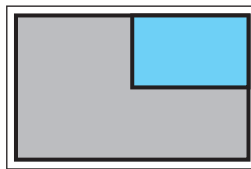
#### Position

Adjust the position of the Sub screen ( top left, bottom left, top right, bottom right )

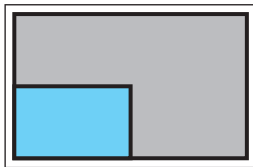
OSD Menu → MISC → PIP Position → top left / top right / bottom left / bottom right



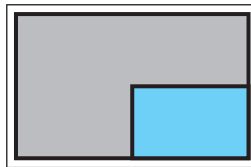
top left



top right



bottom left



bottom right

#### Size

Adjust the size of the Sub screen ( Large / Small )

OSD Menu → MISC → PIP Mode → Large / Small

#### Size of Sub screen

| LCD Monitor | Large Sub screen | Small Sub screen |
|-------------|------------------|------------------|
| 1920 x 1200 | 552 x 414        | 480 x 360        |
| 1920 x 1080 | 552 x 414        | 480 x 360        |
| 1440 x 900  | 414 x 310        | 360 x 270        |
| 1366 x 768  | 392 x 294        | 340 x 254        |
| 1280 x 1024 | 368 x 276        | 320 x 240        |

### < 2.3.2 > Picture By Picture ( PBP )

#### Mode

Display the Sub screen next to the Main screen.

OSD Menu → MISC → PIP Mode → PBP



#### Size

| LCD Monitor | Main / Sub screen |
|-------------|-------------------|
| 1920 x 1200 | 955 x 716         |
| 1920 x 1080 | 955 x 716         |
| 1440 x 900  | 715 x 536         |
| 1366 x 768  | 678 x 508         |
| 1280 x 1024 | 635 x 476         |

### < 2.3.3 > PIP / PBP Source

To select an input signal for PIP / PBP Sub screen.

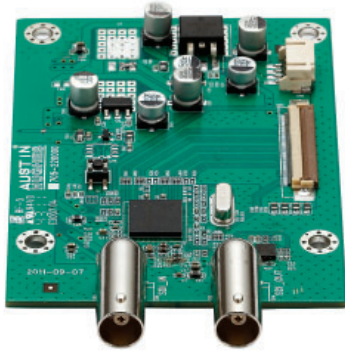
OSD Menu → MISC → PIP Source → VGA / S-Video / Composite / DVI / HDMI / SDI / YPbPr / TV

The PIP / PBP is operable in the following table :

| Main \ Sub | VGA | S-Video | Composite | DVI-D | HDMI | SDI | YPbPr | TV |
|------------|-----|---------|-----------|-------|------|-----|-------|----|
| VGA        | X   | O       | O         | O     | O    | O   | O     | O  |
| S-Video    | O   | X       | X         | O     | O    | O   | O     | X  |
| Composite  | O   | X       | X         | O     | O    | O   | O     | X  |
| DVI        | O   | O       | O         | X     | X    | O   | O     | O  |
| HDMI       | O   | O       | O         | X     | X    | O   | O     | O  |
| SDI        | O   | O       | O         | O     | O    | X   | X     | O  |
| YPbPr      | O   | O       | O         | O     | O    | X   | X     | O  |
| TV         | O   | X       | X         | O     | O    | O   | O     | X  |

## < Part 3 > Options

### < 3.1 > Options : 3G / HD / SD-SDI input

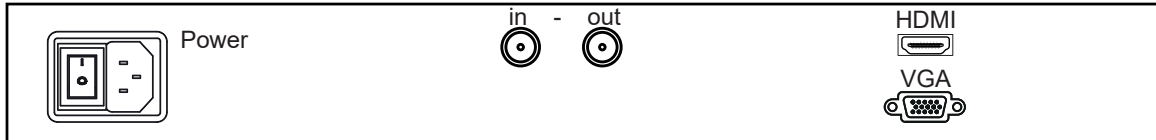


Austin Hughes' SDI input is an ideal solution for the broadcast-grade video and high resolution CCTV market.

Designed for use with CyberView displays, a SDI input module can support up to 1080p @60Hz resolution without using additional space or power and it comes standard with a 2-year warranty.

\* SDI option comes with speakers.

#### SDI



The casing depth will be extended.

| INPUT | 3G-SDI IN  | BNC x 1 / 0.8Vp-p ( 75 ohm )                   |
|-------|------------|--|
|       | 3G-SDI OUT | BNC x 1 / Active through, equalized & relocked |

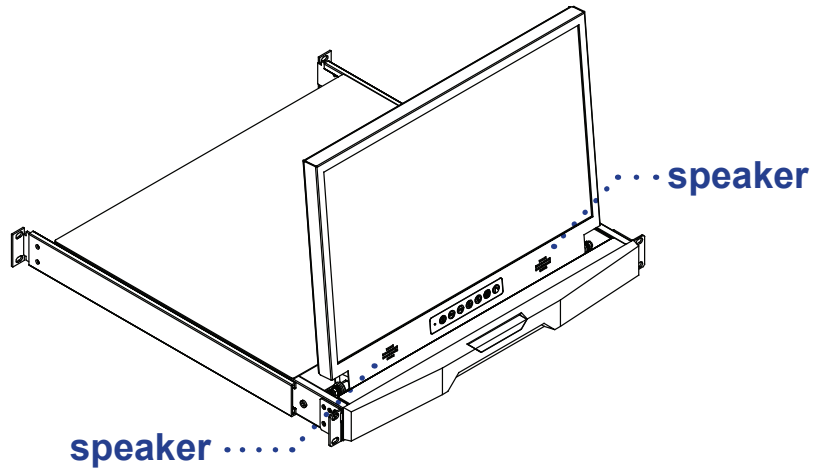
| Standard Compliance | Video | SMPTE 425M / 274M / 296M / 125M<br>ITU-R BT.656 |
|---------------------|-------|---|
|                     | Audio | SMPTE 299M / 272M-C                             |

| Compatible Video Format | 3G-SDI       | 1080p @60 / 50Hz, 4:2:2<br>1080p @30 / 25 / 24Hz, 4:4:4<br>1080i @60 / 50Hz, 4:4:4<br>720p @60 / 50Hz, 4:4:4 |
|-------------------------|--------------|--|
|                         | HD-SDI       | 1080p @30 / 25 / 24Hz, 4:2:2<br>1080i @60 / 50Hz, 4:2:2<br>720p @60 / 50Hz, 4:2:2                            |
|                         | SD-SDI       | 480i @60Hz, 4:2:2  |
|                         | ITU-R BT.656 | 576i @50Hz, 4:2:2  |

| Compatible Audio Format | 3G-SDI | 48kHz, 16 / 20 / 24 bit, 2 CH, Synchronized Video                |
|-------------------------|--------|--|
|                         | HD-SDI | 48kHz, 16 / 20 / 24 bit, 2 CH, Synchronized Video                |
|                         | SD-SDI | 48kHz, 16 / 20 / 24 bit, 2 CH, Synchronized / Asynchronous Video |

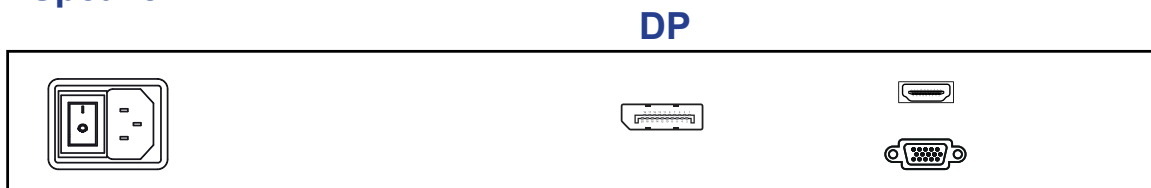
| Max. Transmission Distance<br>75 ohm coaxial cable | 3G-SDI | 150m at 2.97Gb/s  |
|--|--------|-------------------|
|  | HD-SDI | 250m at 1.485Gb/s |
|  | SD-SDI | 480m at 270Mb/s   |

**Speaker Option**



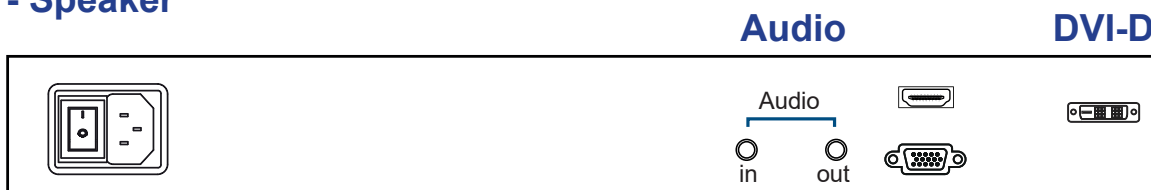
**DP Option**

- Display Port ( DP 1.0, HDCP 1.3 )
- Speaker



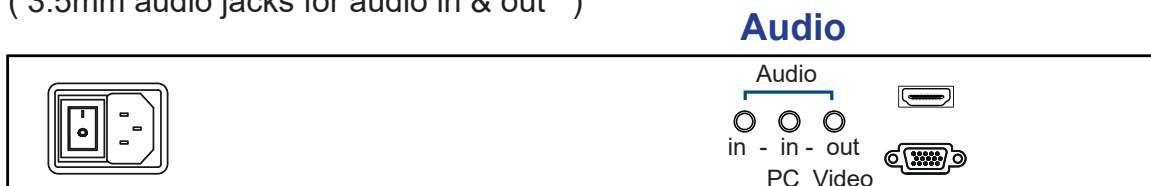
**DVI-D Option**

- DVI-D ( DVI-D, TMDS single link )
- Audio input & output
- Speaker



**Audio Option**

- ( Built-in Dual Stereo Speakers, 2W x 2 )
- ( 3.5mm audio jacks for audio in & out )




### < 3.3 > Options : DC Power

| Model                | 12V     | 24V      | 48V      | 125V      | 250V       |
|----------------------|---------|----------|----------|-----------|------------|
| <b>Input rating</b>  |         |          |          |           |            |
| Input voltage:       | 12-Volt | 24-Volt  | 48-Volt  | 110-Volt  | 300-Volt   |
| Input range:         | 9 ~ 18V | 18 ~ 36V | 36 ~ 75V | 66 ~ 160V | 180 ~ 425V |
| Input current        |         |          |          |           |            |
| - No load            | 50 mA   | 50 mA    | 50 mA    | 35 mA     | 10 mA      |
| - Full load          | 4950 mA | 2450 mA  | 1220 mA  | 749 mA    | 600 mA     |
| <b>Output rating</b> |         |          |          |           |            |
| Output voltage:      | 12-Volt | 12-Volt  | 12-Volt  | 12-Volt   | 12-Volt    |
| Output current:      | 4.16A   | 4.16A    | 4.16A    | 6.25A     | 12.5A      |
| <b>Efficiency</b>    | 84%     | 85%      | 85%      | 91%       | 86%        |

### DC power



\*\*\* For DC power option :

- ( 1 ) If the unit with LCD, **earthing** may be required 
- ( 2 ) DC option excludes AC power adapter and power cord.
- ( 3 ) The casing depth will be extended.

The company reserves the right to modify product specifications without prior notice and assumes no responsibility for any error which may appear in this publication.

All brand names, logo and registered trademarks are properties of their respective owners.

Copyright 2026 Austin Hughes Electronics Ltd. All rights reserved.