

User Manual

2U 17" 4K Dual Slide LED-backlit LCD Console Drawer



RKP2417K **4K**

3840 x 2160@60Hz native resolution

FC CE UK CA   REACH

Designed and manufactured by Austin Hughes

751

Legal Information

First English printing, May 2025

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.

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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 > RKP2417K

< 1.1 > Package Content

RKP2417K



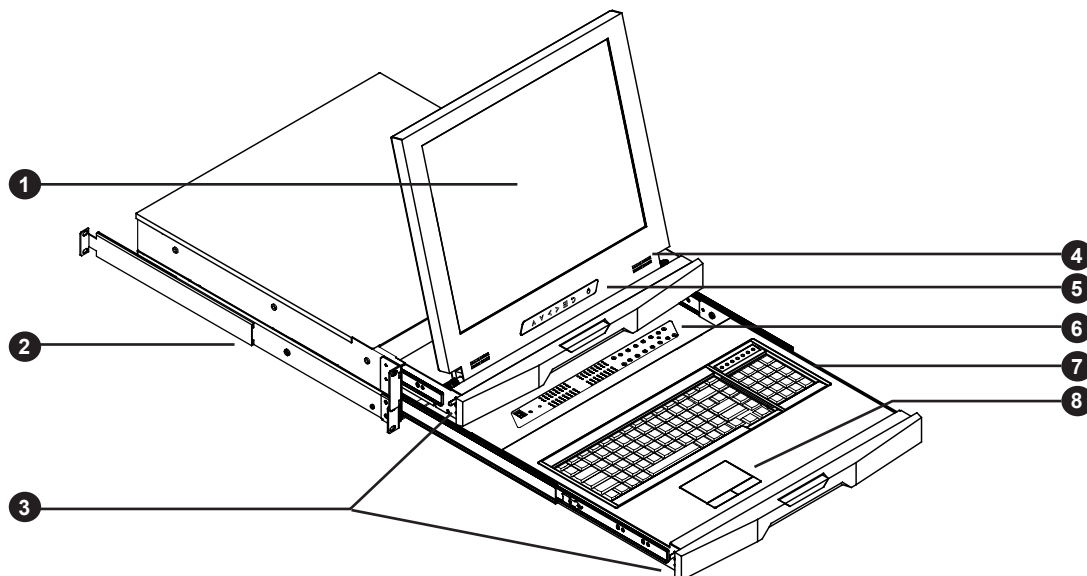
RKP2417K unit X 1

- USB cable X 2
- Power cord X 1
- M6 screw, cage nut & cup washer X 8



The above package content is only for the single console models. It varies with options such as SDI, HDMI & DC power.

< 1.2 > Structure Diagram

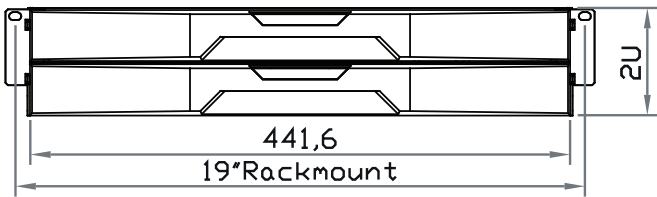


- ① LCD interchangeable module kit
- ② Installation Slides
- ③ Carry handle to release the 2-pt lock
- ④ Audio speaker (for SDI or HDMI option)

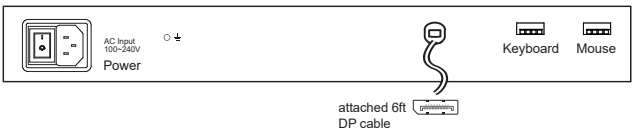
- ⑤ LCD membrane
- ⑥ Membrane switch (KVM option)
- ⑦ Keyboard interchangeable module kit
- ⑧ Mouse interchangeable module kit

< 1.2 > Dimension

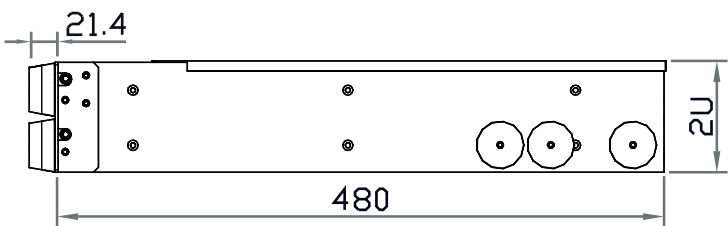
Front View



Rear View



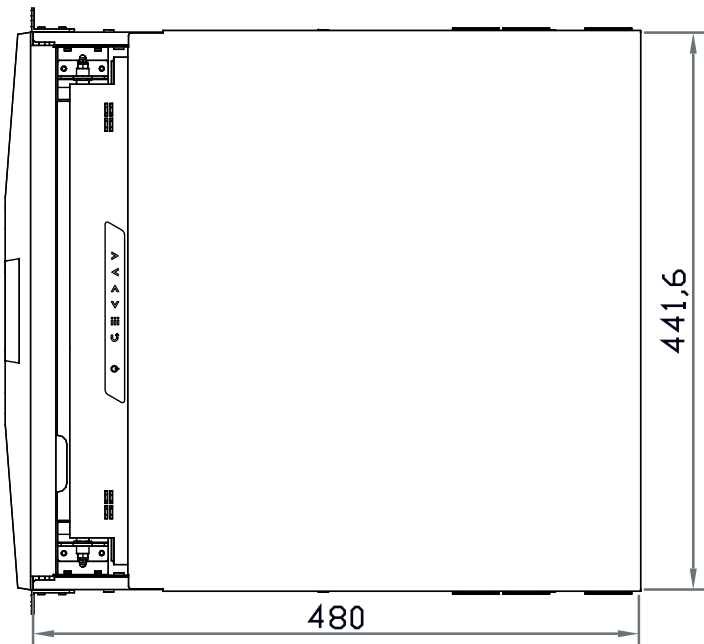
Side View




UNIT : mm

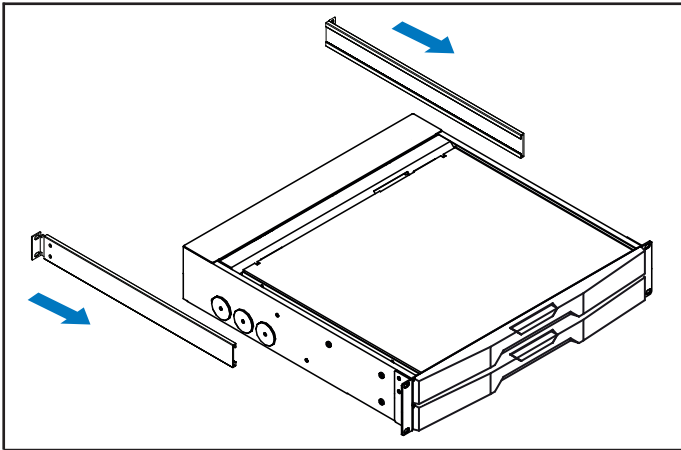
1mm = 0.03937 inch

Top View



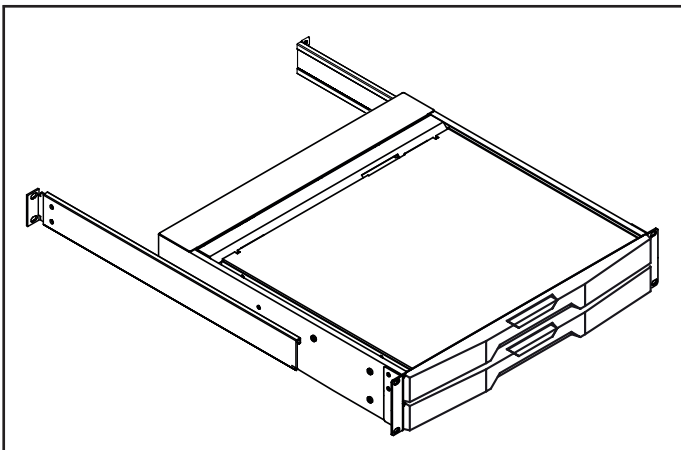
| Model | Product Dimension (W x D x H) | Packing Dimension (W x D x H) | Net Weight | Gross Weight |
|----------|---|---|--------------------|--------------------|
| RKP2417K | 442 x 480 x 88 mm 17.4 x 18.9 x 3.5 inch | 442 x 480 x 88 mm 17.4 x 18.9 x 3.5 inch | 20.4 kg 44.9 lb | 24.8 kg 54.6 lb |

 The weight is only for the single console models. It varies with accessories & options such as KVM, SDI, HDMI & DC power.



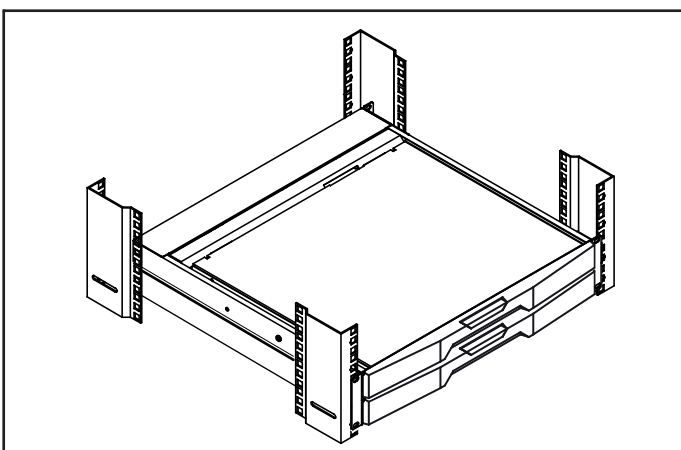
Step 1

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



Step 2

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



Step 3

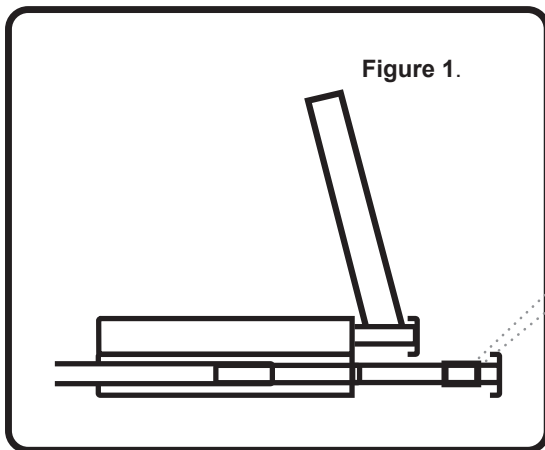
Complete the installation

- Fix the LCD console drawer into the rack.

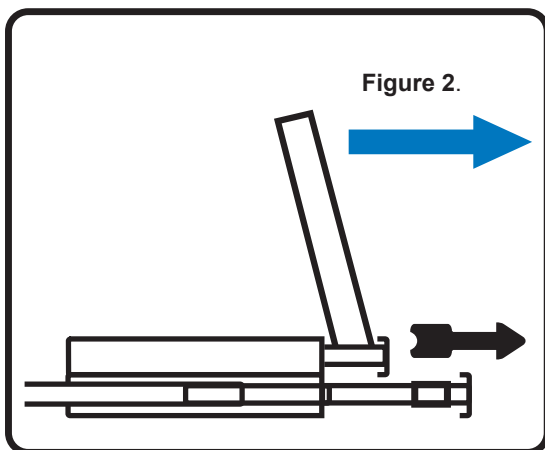


M6 screw, cage nut & cup washer x 8 are provided.

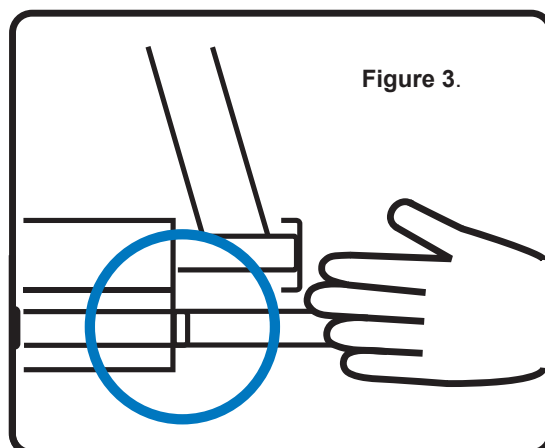
< 1.3 > Installation - How to Use the Dual Slides




- A black arrow release button is located on the front of each slide. (shown in **Figure 1**).

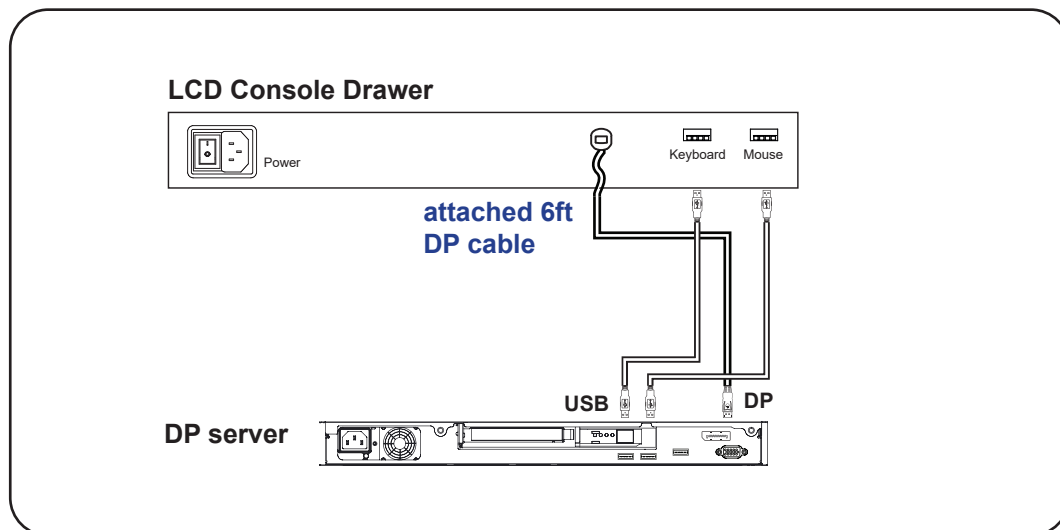


- Pull and hold the black arrow button on either side of the LCD console drawer to unlock. (shown in **Figure 2**).

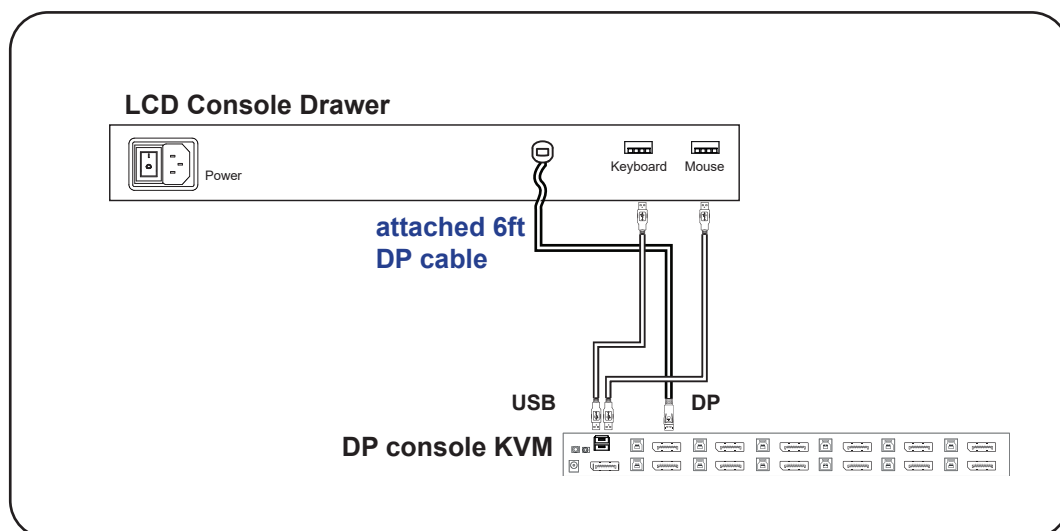


- Push the LCD console drawer into the rack. (shown in **Figure 3**).

 **Caution :** Keep your fingers away from the slide stop



Connection to **external KVM**



Caution : The LCD console drawer is hot-pluggable, but components of connected devices, such as the servers and KVM switch, may not be hot-pluggable. Plugging and unplugging cables while servers and KVM are powered on may cause irreversible damage to the servers, KVM and LCD console drawer. Before attempting to connect anything to the LCD console drawer, we suggest turning off the power to all devices. Apply power to connected devices again only after the LCD console drawer is receiving power. The company is not responsible for damage caused in this way.

< Part 2 > Specifications / OSD

< 2.1 > Product Specifications

| | | |
|-----------------------|--------------------------------|--|
| LED-backlit LCD Panel | Panel Size (diagonal) | 17.3-inch Widescreen TFT color LED-backlit LCD |
| | Display pixel (dots x lines) | 3840 x 2160@60Hz |
| | Brightness (typ.) | 400 |
| | Contrast Ratio (typ.) | 1000:1 |
| | Color | 16.7 M, 8-bit |
| | Viewing Angle (L/R/U/D) | 89/89/89/89 |
| | Response Time (ms) | 16 |
| | Dot pitch (mm) | 0.0995 |
| | Display Area (mm) | 382.12H x 214.94V |
| | Surface treatment | Anti-glare |
| | Surface hardness | 3H |
| | Backlight Type | LED |
| | MTBF (hrs) | 15,000 |

| | | |
|-------|---------|---------------------|
| Video | Package | DP 1.2 |
| | Option | HDMI 2.0 / HDCP 2.2 |

| | | | |
|-------|--|-------------------|---------------------------------------|
| Power | Power Supply | Range | Auto-sensing 100 to 240VAC, 50 / 60Hz |
| | Power Consumption for Single Console | Screen ON | Max. 35W |
| | | Power saving mode | Max. 2W |
| | | Power button OFF | Max. 1W |
| | Power Consumption with KVM integration | Screen ON | Max. 52W |
| | | Power saving mode | Max. 18W |

* For details, please refer to our KVM rear kit user manuals

| | | |
|------------|---------------|----------------------|
| Compliance | EMC | FCC & CE |
| | Safety | CE / LVD & UKCA |
| | Environmental | RoHS3 & REACH / WEEE |

| | | | |
|--------------------------|-------------------------|-------------|----------------------------------|
| Environmental Conditions | 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 | 10~500Hz 0.5G RMS random |

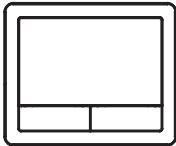
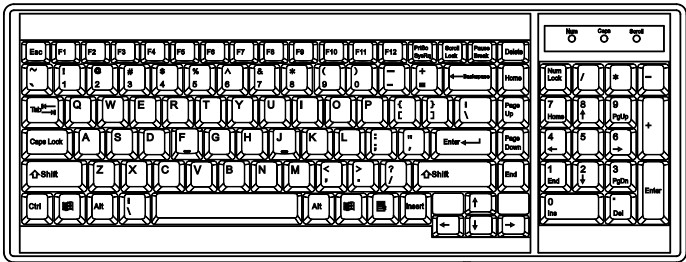
| | | |
|-------------------------------|-----------------------|---|
| Physical Specification | Product (W x D x H) | 442 x 480 x 88 mm 17.4 x 18.9 x 3.5 inch |
| | Packing (W x D x H) | 442 x 480 x 88 mm 17.4 x 18.9 x 3.5 inch |
| | Net Weight | 20.4 kg / 44.9 lb |
| | Gross Weight | 24.8 kg / 54.6 lb |

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

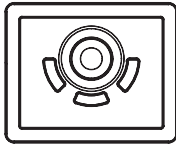
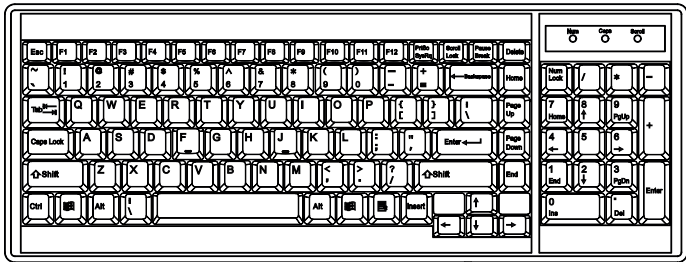
| | | | |
|--------------------------|--------------------|----------------|---------------------------------------|
| Applicable Format | Display Port Input | PC Signal | 3840 x 2160 x 60Hz |
| | | | 2560 x 1440 x 60Hz |
| | | | 1920 x 1080 x 60Hz |
| | | | 1600 x 1200 x 60Hz |
| | | | 1360 x 768 x 60Hz |
| | | | 1280 x 1024 x 60 / 75Hz |
| | | | 1280 x 768 x 60Hz |
| | | | 1024 x 768 x 60 / 70 / 75Hz |
| | | | 800 x 600 x 60 / 72 / 75Hz |
| | | | 720 x 400 x 70Hz |
| | | | 640 x 480 x 60 / 72 / 75Hz |
| | HDMI Input | Audio Signal | 2ch Linear PCM |
| | | HDMI 2.0 | 3840 x 2160 x 60Hz |
| | | | 2560 x 1440 x 60Hz |
| | | HDMI 2.0 / 1.4 | 3840 x 2160 x 30Hz |
| | | | 2560 x 1440 x 60Hz |
| | | | 1920 x 1080 x 50 / 60Hz (1080p) |
| | | | 1920 x 1080 x 25 / 30Hz (1080i) |
| | | | 1280 x 720 x 50 / 60Hz (720p) |
| | | | 720 x 480 x 50 / 60Hz (576p / 480p) |
| | | Audio Signal | 2ch Linear PCM |

< 2.2 > Standard Keyboard / Mouse Specifications

Ge G keyboard integrated with touchpad




Gb G keyboard integrated with trackball




| | |
|---------------------|---------------------------------|
| Key force | 55 ± 5g |
| Travelling distance | 3 ± 0.3mm |
| Switch life | > 10 million life cycle time |
| OS support | Windows / Linux / Unix / Mac OS |


Supporting layouts


America



United States


EMEA


United Kingdom

Germany


France


Russia

Spain

Italy

Asia

Japan

Korea

Se S keyboard integrated with touchpad



Sb S keyboard integrated with trackball

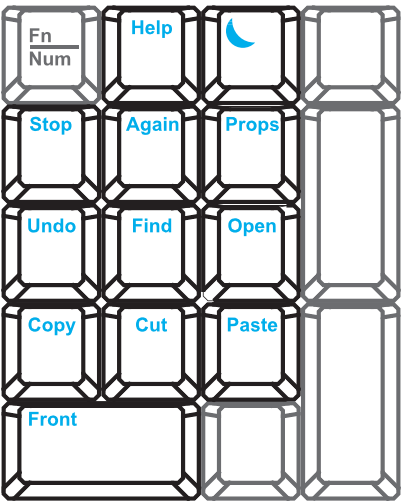


S keyboard integrated with touchpad / trackball



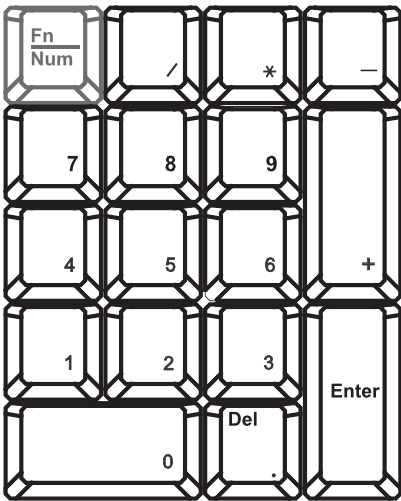
- Incorporates SUN keys, including Stop, Cut, Paste, Compose, Copy and Help
- 104 key notepad keyboard with full numerical pad and SUN function
- USB interface
- US layout only

How to Use "S" Keyboard



Num LED in Off mode

Key pad behaves as a SUN Solar system administration command mode

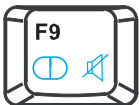


Num LED in Green mode

Key pad behaves as a normal key pad mode

Audio / Display Keys

* Please ask your supplier for full details



F9
Audio : Mute
Display : Degauss










F11
Audio : Decrease volume
Display : Decrease contrast




F12
Audio : Increase volume
Display : Increase contrast







Intentionally Left Blank



| Membrane Switch | Function |
|---|--|
|  | Turn the monitor on or off |
|  | Display the OSD menu Act as an Enter key to select screen setting options |
|     | Scroll through menu options and adjust the displayed control |
|  | Exit the OSD screen Go back to the previous on-screen sub-menu or main menu |

Remark : All LED touch buttons in **WHITE** light.

The LED of **Power**  touch button will flash continuously when there is no signal input.

- ① All the LED touch buttons will automatically turn off after 10 minutes of idle status (except the **Power** ).
- ② Light up all membrane buttons, please press any button for 1 - 2 seconds (except the **Power** ).
- ③ 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

< 2.3 > On-screen Display Operation (OSD)

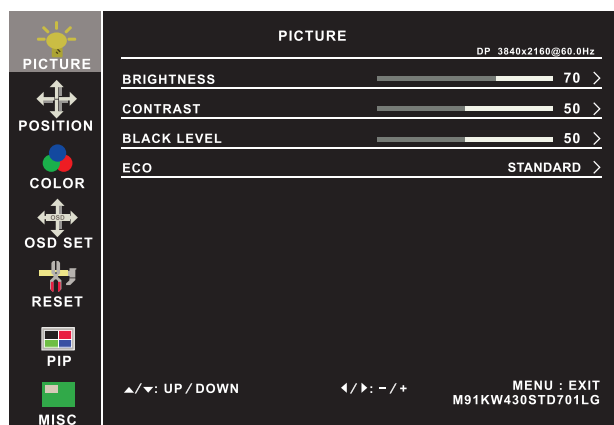
① Picture

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

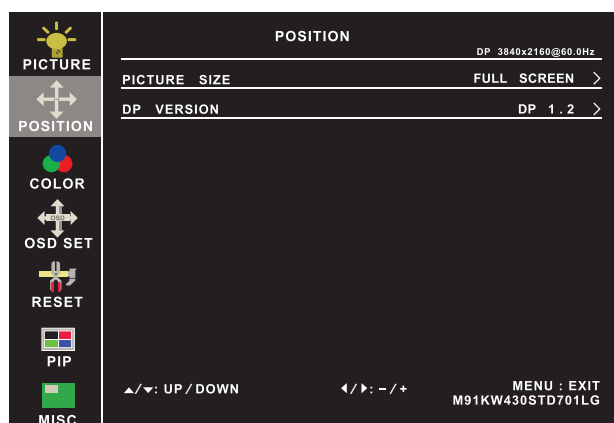
Eco : Screen in power saving mode



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

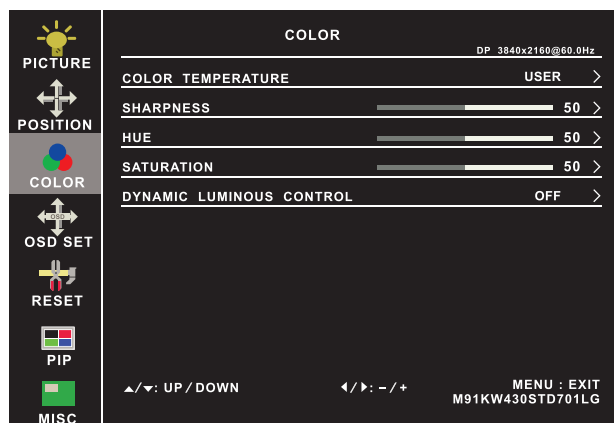
Sharpness : Adjust the image from weak to sharp

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

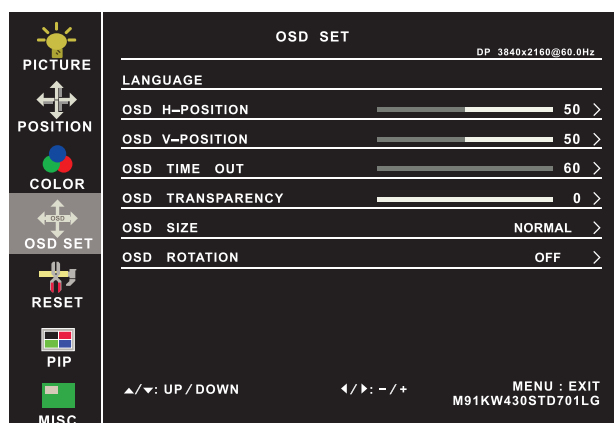
OSD V-Position : Align the screen image up or down

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°

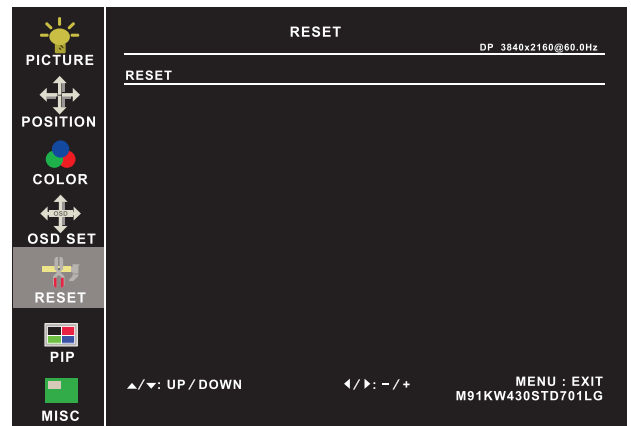


On-screen Display Operation (OSD)

RKP2417K

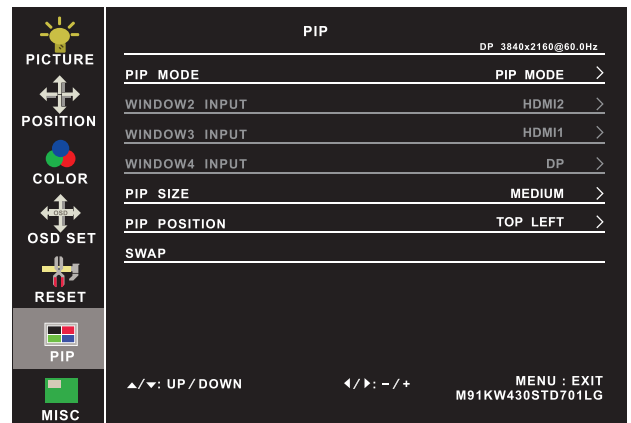
⑤ Reset

Reset : Return the adjustment back to factory setting



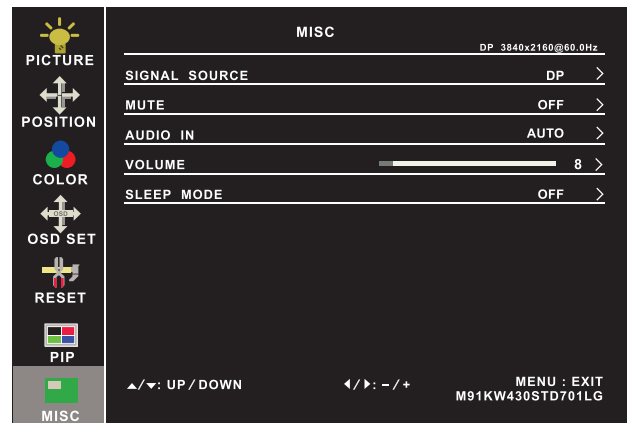
⑥ PIP

- 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



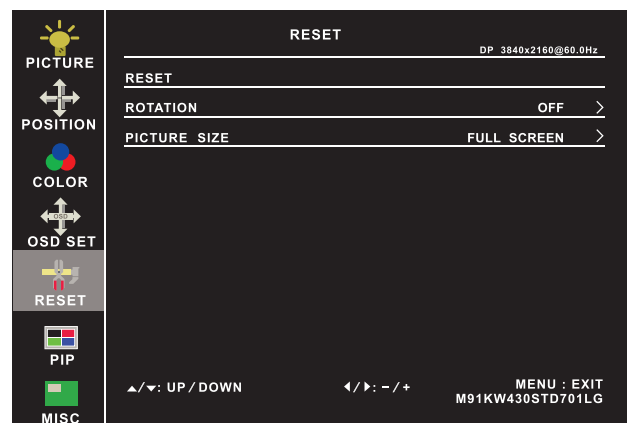
⑦ MISC

- 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

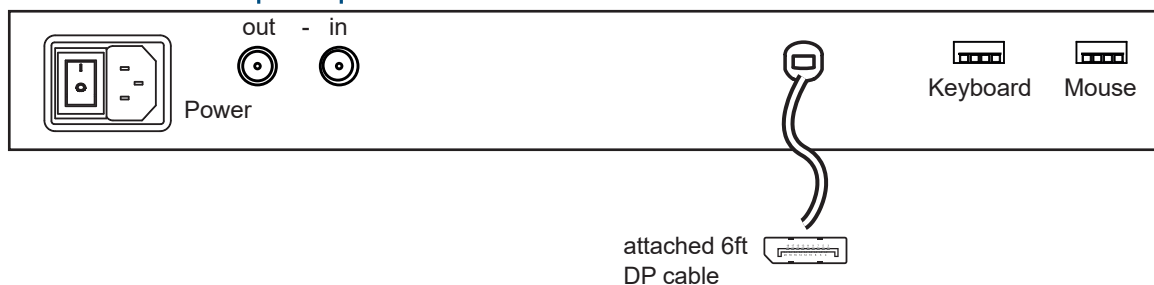


< Part 3 > Options

< 3.1 > 3G / HD / SD-SDI input



SDI



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

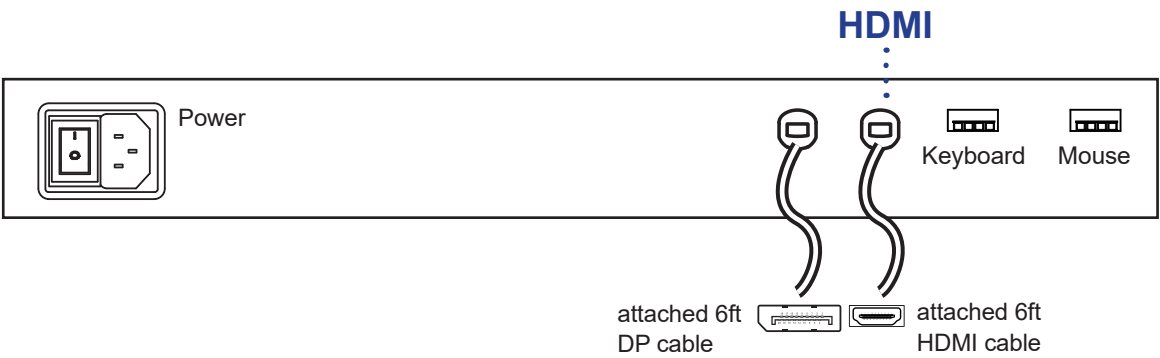
| | | |
|---------------------|-------|---|
| Standard Compliance | Video | SMPTE 425M / 274M / 296M / 125M ITU-R BT.656 |
| | Audio | SMPTE 299M / 272M-C |

| | | | |
|-------------------------|--------------|-------|------------------------|
| Compatible Video Format | 3G-SDI | 1080p | @60 / 50Hz, 4:2:2 |
| | | 1080p | @30 / 25 / 24Hz, 4:4:4 |
| | | 1080i | @60 / 50Hz, 4:4:4 |
| | | 720p | @60 / 50Hz, 4:4:4 |
| | HD-SDI | 1080p | @30 / 25 / 24Hz, 4:2:2 |
| | | 1080i | @60 / 50Hz, 4:2:2 |
| | | 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 75 ohm coaxial cable | 3G-SDI | 150m at 2.97Gb/s |
| | HD-SDI | 250m at 1.485Gb/s |
| | SD-SDI | 480m at 270Mb/s |

- HDMI 2.0 (HDCP 2.2)



< 3.3 > Options : Touchscreen & driver



Capacitive Touch screen Specification

| | |
|-----------------------------|---------------------------------|
| Model | TPC-10 Multi-touch |
| Technology | Projected Capacitive |
| Touch Point | 10 |
| Input Type | Finger or Capacitive Stylus |
| Resolution | 4096 x 4096 |
| Touch Point Accuracy | ± 2 mm |
| Response Speed | < 5 ms |
| Activation Force | < 5 g |
| Surface Hardness | 6H |
| Light Transmission | > 85% |
| Haze | 3% ↓ |
| Durability | 50 million touches |
| Top Layer | 1.8 mm Glass |
| Bottom Layer | 0.7 mm Sensor Glass |
| Thickness | 2.7 ± 0.1 mm |
| Connector | USB |
| Compatibility | Linux / Android / Windows / Mac |

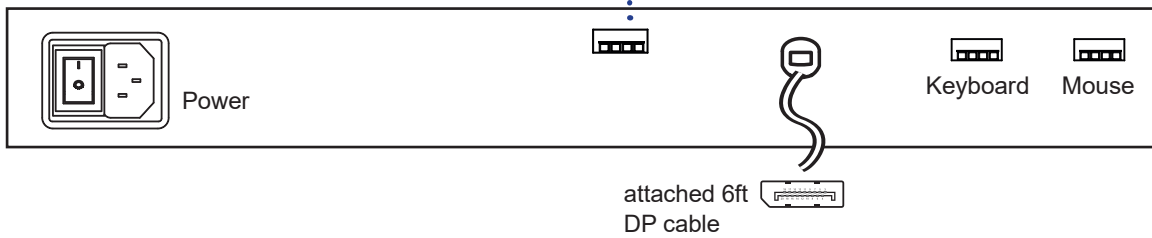
Resistive Touch screen Specification

| | |
|---------------------------|-------------------------------|
| Model | TRB e-Resistive |
| Technology | 5-Wire Resistive |
| Touch Point | Single |
| Input Type | Finger or Stylus |
| Resolution | 2048 x 2048 |
| Response Speed | 15 ms |
| Activation Force | ≤ 50 g |
| Surface Hardness | 3H |
| Light Transmission | 80% ± 3% |
| Haze | 8% ± 3% |
| Durability | 10 million touches |
| Top Layer | ITO Film |
| Bottom Layer | ITO Glass |
| Thickness | 2.2 ± 0.2 mm |
| Connector | USB Type A |
| Compatibility | Windows 7 / XP / Vista, Linux |

- USB touchscreen package includes 1 x 6ft USB cable, quick reference guideline and CD disc
- For detailed information, please refer to the attached CD disc
- As the touchscreen unit is not made of toughened glass, please handle it carefully



USB Touchscreen



TPC-10 Driver



Connect the USB cable from the USB port on the LCD to a computer. The touch screen supports easy Plug-and-Play operations. There is no need to install additional drivers on the computer.

TRB Driver

Please follow the below steps to setup the touch screen:-

Step 1. Run the bundled CD disc or download the driver from the link below :

<http://www.austin-hughes.com/resources/driver/ultraview>

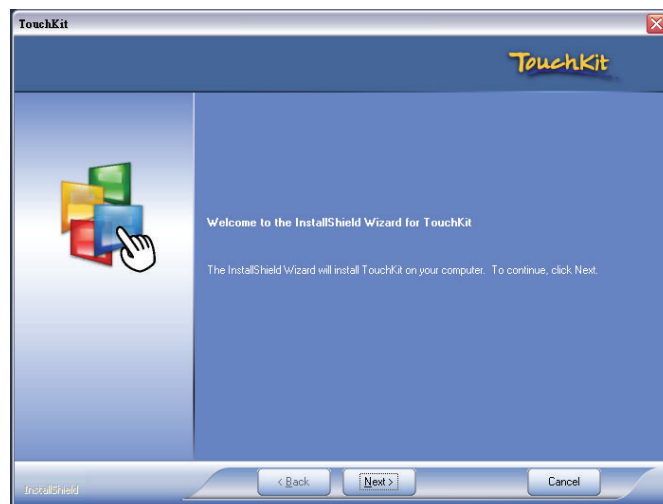
Step 2. Double click the Setup.exe

Step 3. Follow the installation instruction to finish the setup

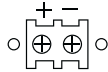
Step 4. After installation, run the TouchKit program & the “4 point calibration”



Please do the initial calibration after the first setup

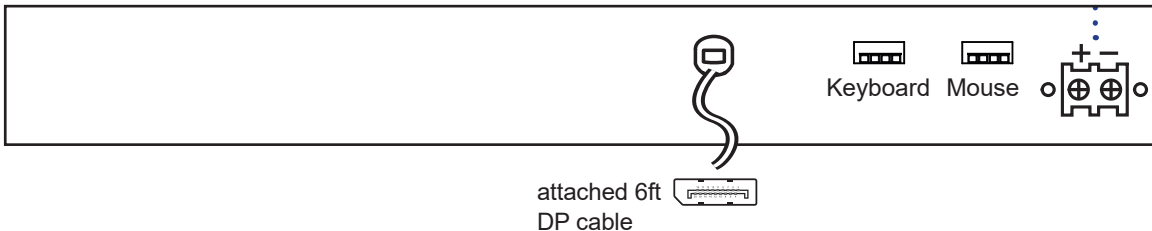


< 3.4 > Options : DC Power



| Model | 12V | 24V | 48V | 125V | 250V |
|----------------------|---------|----------|----------|-----------|------------|
| Input rating | | | | | |
| 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 |
| Output rating | | | | | |
| Output voltage: | 12-Volt | 12-Volt | 12-Volt | 12-Volt | 12-Volt |
| Output current: | 4.16A | 4.16A | 4.16A | 6.25A | 12.5A |
| Efficiency | 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.

www.austin-hughes.com/support/usermanual/cyberview/UM-CV-HDMIKVM-KIT.pdf

| | | | | | | |
|-------------|--|---|--------|--------|---|---|
| HDMI KVM |   |  | Remote | 8-port | - | - |
| | | 0 | 0 | - 801K | - | - |

| Model | Product Dimension (W x D x H) | Packing Dimension (W x D x H) | Net Weight | Gross Weight |
|-------------------|---|--|--------------------|------------------|
| RKP2417K with KVM | 442 x 480 x 88 mm 17.4 x 18.9 x 3.5 inch | 585 x 620 x 190 mm 23 x 24.4 x 7.5 inch | 21.1 kg 46.4 lb | 27 kg 59.4 lb |

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.

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