Cyber**View** ™ dedicated KVM switch and rackmount screen technology

User Manual   2U Dual Slide Short Depth LCD Console Drawer

1080p **Full HD**

RKP2417F

17" FHD 1920 x 1080 LCD

Options :
- HDMI
- SDI
- Touchscreen
- DC power

FC CE RoHS REACH

1920 x 1200 **WUXGA**

RKP2417X

17" Ultra High Resolution 1920 x 1200 LCD

Options :
- HDMI
- SDI
- Touchscreen
- DC power

FC CE RoHS REACH

RKP2417 / RKP2419

17" / 19" 1280 x 1024 LCD

Options :
- AV / DVI-D / HDMI
- Touchscreen
- DC power

FC CE RoHS REACH

751

Designed and manufactured by Austin Hughes

Legal Information

First English printing, January 2019

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 40º Celsius (104º 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 labeled 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 B 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.

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

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 >
< 1.1 > Package Content

RKP2417 or RKP2419 unit X 1

- CB-6 6ft VGA console cable X 1
(Alternative for PS/2 KB / MS : CE-6 6ft Combo KVM cable)
- Power cord X 1
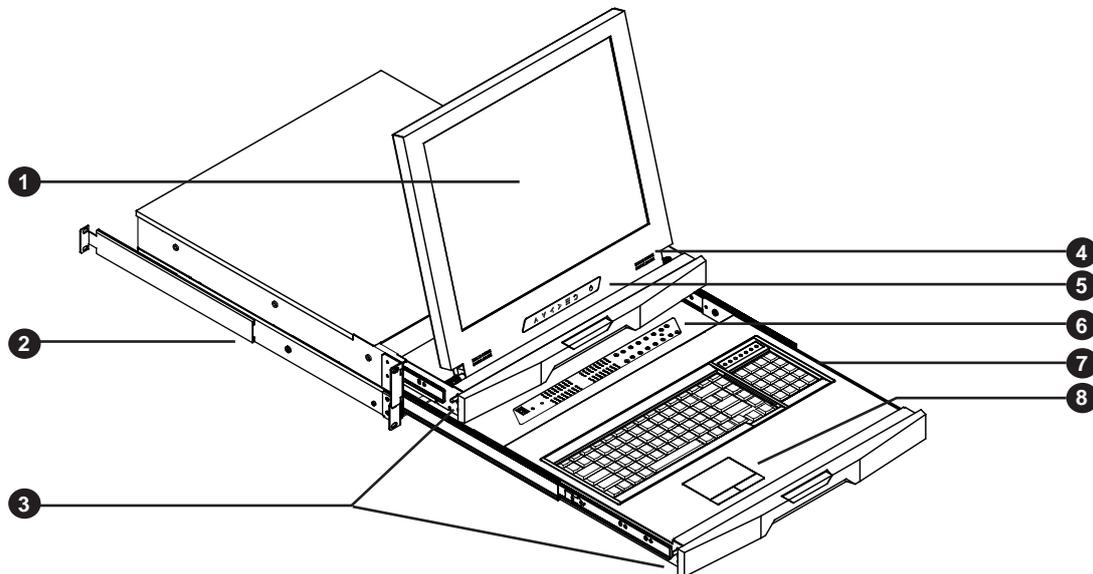- M6 screw, cage nut & cup washer X 8

RKP2417F or RKP2417X unit X 1

- CX-6 6ft DVI-D console cable X 1
  (Alternative : CB-6 6ft VGA console cable)
- 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 KVM, SDI, HDMI, DVI-D, AV, Touchscreen & DC power.

< 1.2 > Structure Diagram

① LCD interchangeable module kit

② Installation Slides

③ Carry handle to release the 2-pt lock

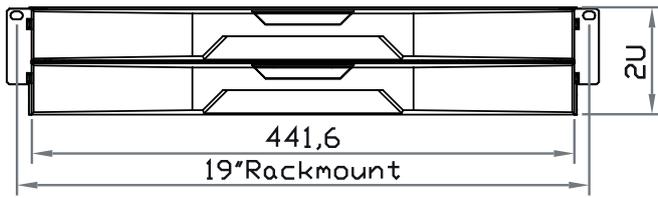④ Audio speaker (for SDI or HDMI option)

⑤ LCD membrane   `∧ ∨ < > ☰ ⊃ ⏻`

⑥ Membrane switch (KVM option)

⑦ Keyboard interchangeable module kit

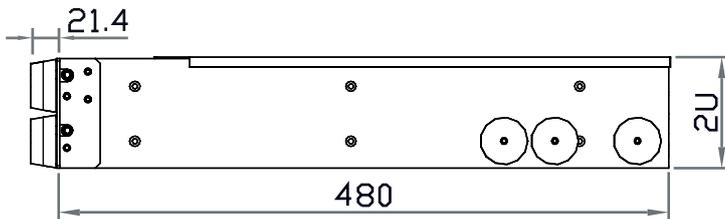⑧ Mouse interchangeable module kit

< 1.2 > Dimension

Front View

441,6
19"Rackmount
2U

Rear View   RKP2417 / RKP2419

Power
VGA

RKP2417F / RKP2417X

Power   DVI-D
VGA

Side View

UNIT : mm
1mm = 0.03937 inch

21.4
2U
480

Top View
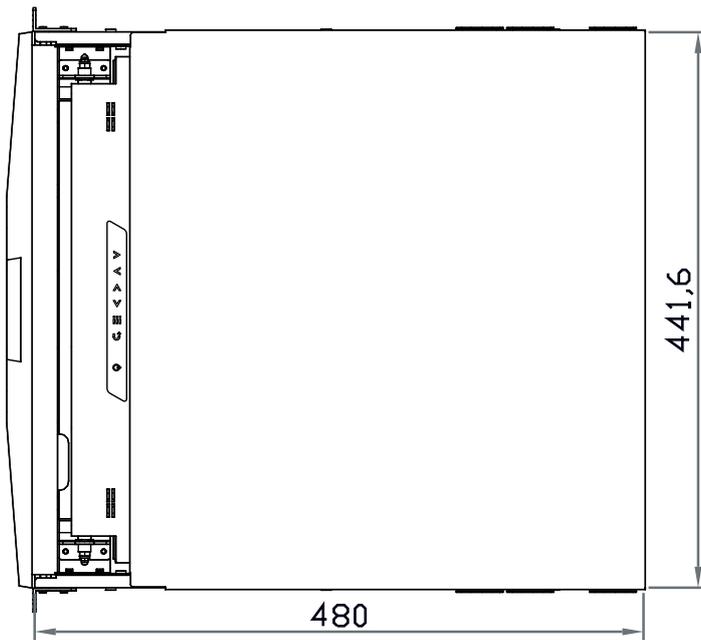
441,6
480

Model	Product Dimension (W x D x H)	Packing Dimension (W x D x H)	Net Weight	Gross Weight
RKP2417 RKP2417F RKP2417X	441.6 x 480 x 88 mm 17.4 x 18.9 x 3.5"	585 x 620 x 190 mm 23 x 24.4 x 7.5"	20.4 kg 44.9 lb	24.8 kg 54.6 lb
RKP2419	441.6 x 480 x 88 mm 17.4 x 18.9 x 3.5"	585 x 620 x 190 mm 23 x 24.4 x 7.5"	20.5 kg 45.1 lb	24.8 kg 54.6 lb

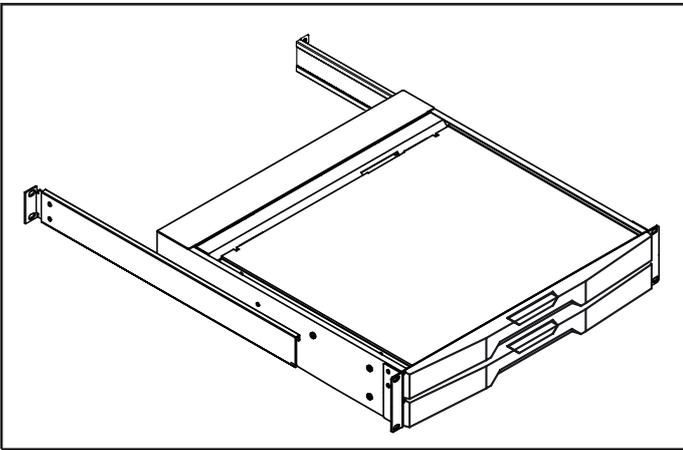⚠ **The weight is only for the single console models. It varies with accessories & options .**

< 1.3 > Installation - How to install | Installation Slides
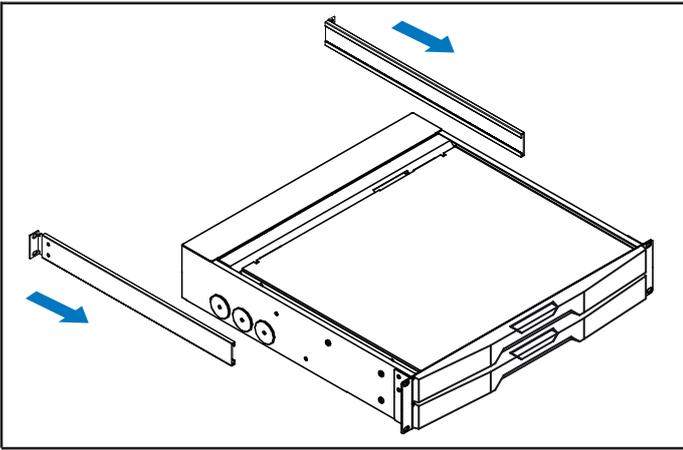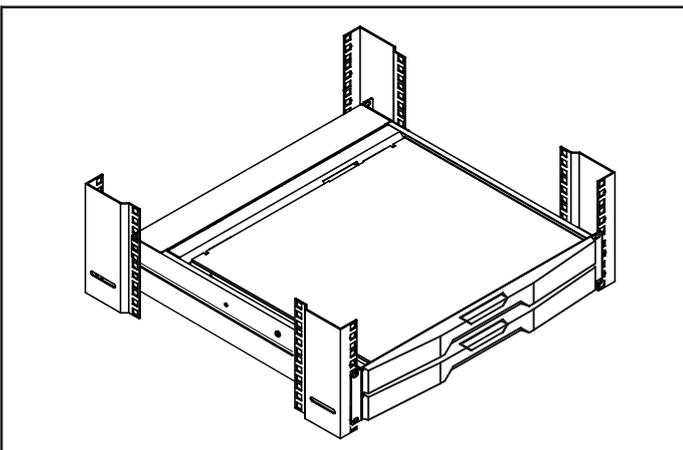
Step 1

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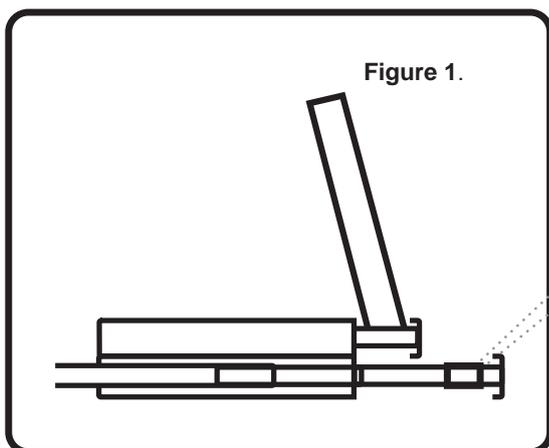
■ A black arrow release button is located on the front of each slide. (shown in **Figure 1)**.
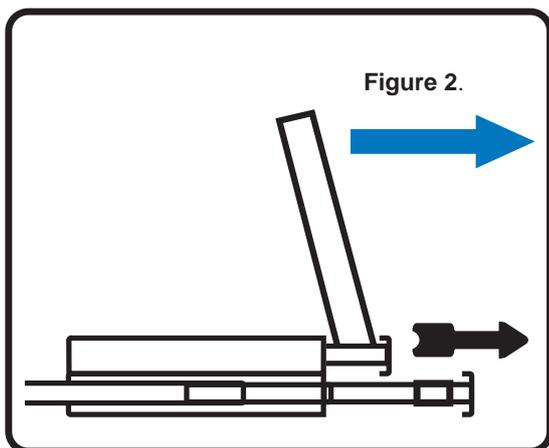
Figure 1.

Figure 2.

■ Pull and hold the black arrow button on either side of the LCD console drawer to unlock. (shown in **Figure 2)**.
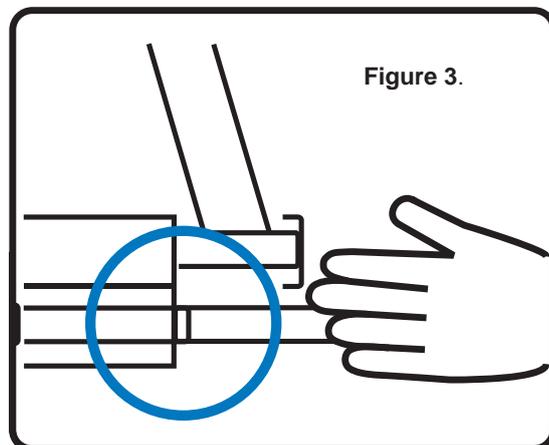
Figure 3.

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

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

< 1.4 > Connection to ┃ USB Server ┃ via CB-6 cable

RKP2417 / RKP2419 / RKP2417F / RKP2417X

LCD Console Drawer

DVI-D KVM

CB-6 VGA console cable

USB   VGA

USB server

< 1.4 > Connection to ┃ external KVM ┃ via CB-6 cable
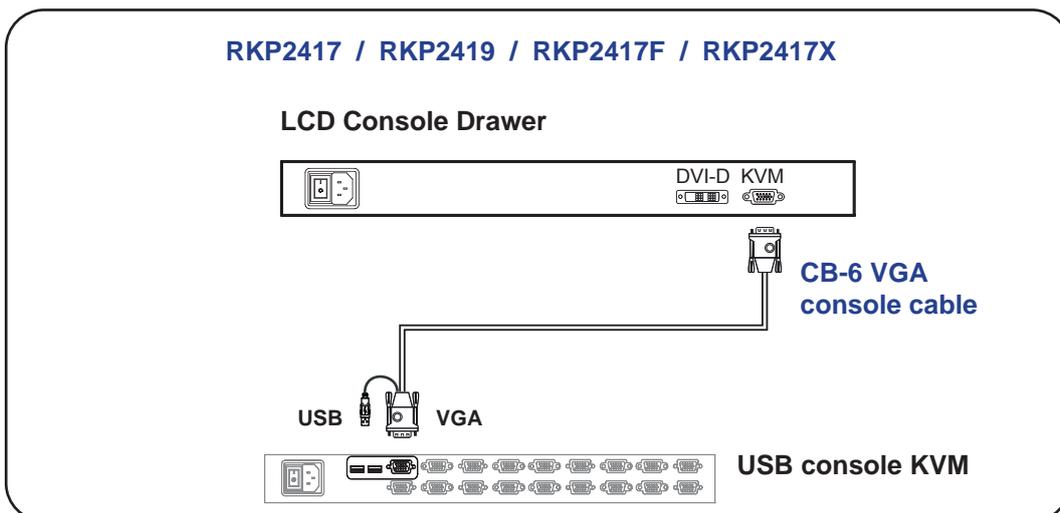
RKP2417 / RKP2419 / RKP2417F / RKP2417X
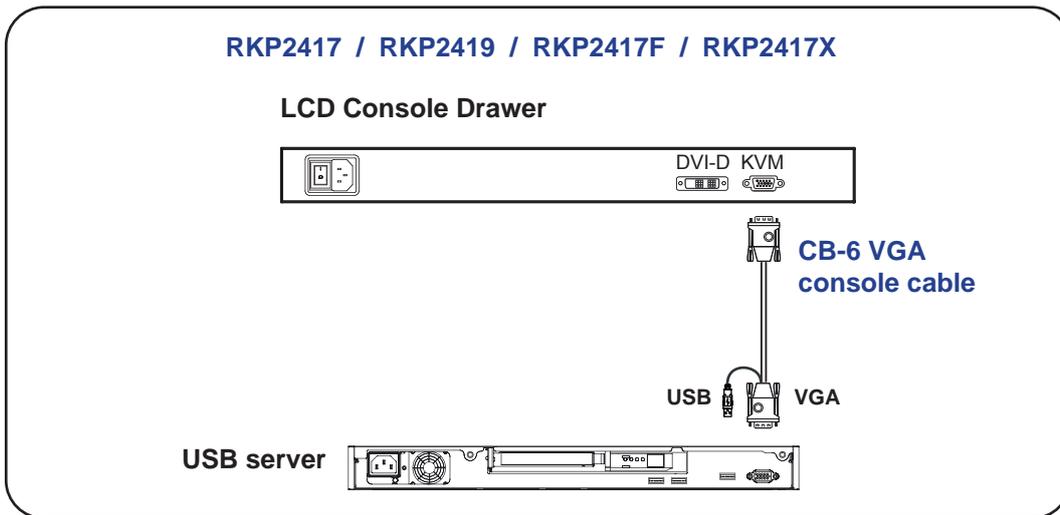
LCD Console Drawer

DVI-D KVM

CB-6 VGA console cable

USB   VGA

USB console 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.

< 1.4 > Connection to │ PS/2 or USB Server │ via CE-6 cable

RKP2417 / RKP2419

LCD console drawer

KVM

CE-6 Combo KVM cable

PS/2 server

LCD console drawer

KVM

CE-6 Combo KVM cable

USB server

< 1.4 > Connection to │ external KVM │ via CE-6 cable

RKP2417 / RKP2419

LCD console drawer

KVM

CE-6 Combo KVM cable

PS/2 console KVM
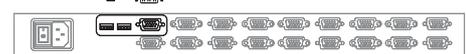
LCD console drawer
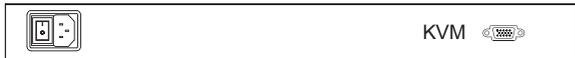
KVM

CE-6 Combo KVM cable

USB console 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.

< 1.4 > Connection to | USB Server | via CX-6 cable
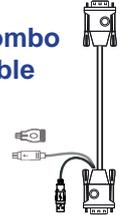
RKP2417F / RKP2417X

LCD Console Drawer

Power   DVI-D KVM

CX-6 DVI-D console cable

USB   DVI-D

USB server

< 1.4 > Connection to | external KVM | via CX-6 cable

RKP2417F / RKP2417X

LCD Console Drawer

Power   DVI-D KVM
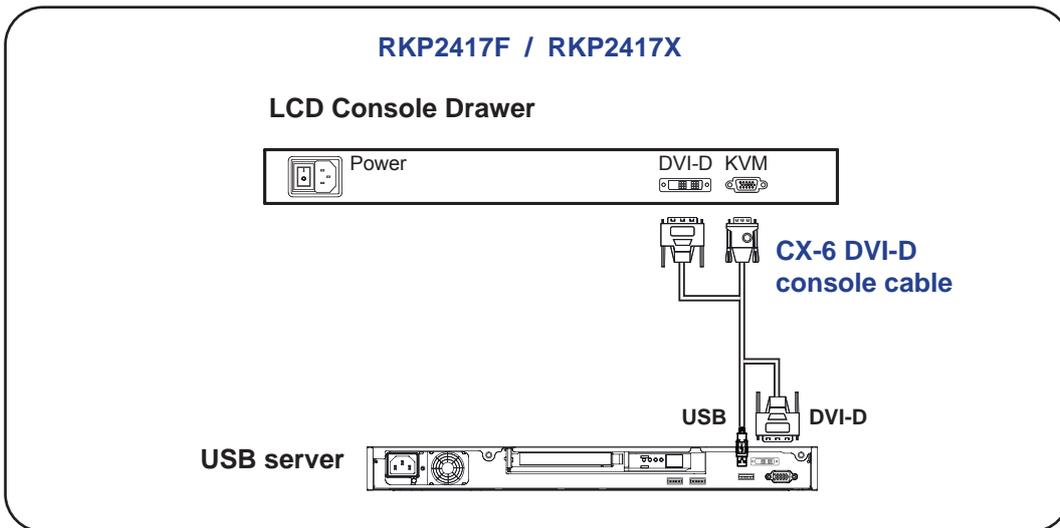
CX-6 DVI-D console cable
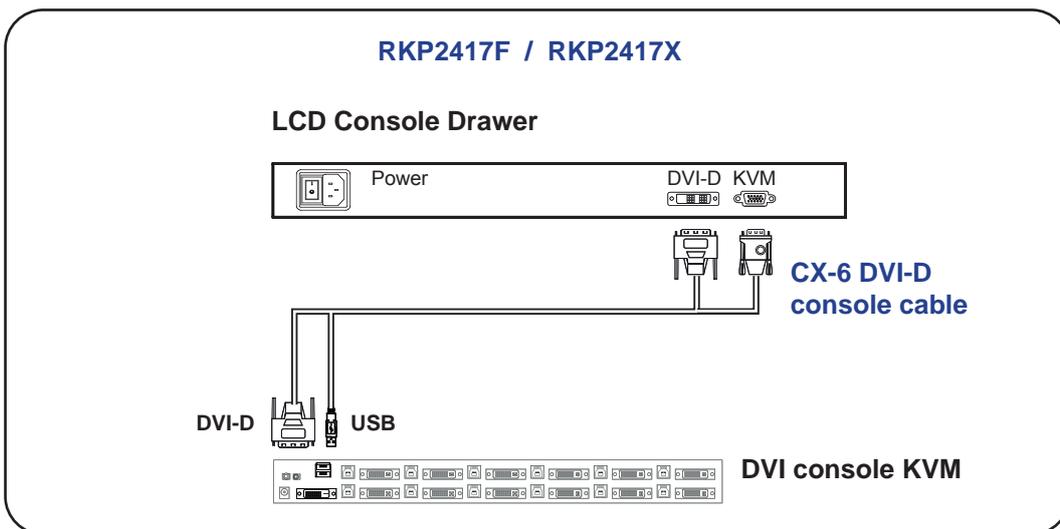
DVI-D   USB

DVI console 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 >

< 2.1 > Product Specifications - RKP2417 / 2419

LCD Panel		RKP2417	RKP2419
	Manufacturer	AUO	AUO
	Panel Size (diagonal)	17-inch TFT color LCD	19-inch TFT color LCD
	Display pixel (dots x lines)	1280 x 1024	1280 x 1024
	Brightness (typ.)	250	250
	Contrast Ratio (typ.)	1000:1	1000:1
	Color	16.7 M	16.7 M
	Viewing Angle (L/R/U/D)	85/85/80/80	85/85/80/80
	Response Time (ms)	5	5
	Dot pitch (mm)	0.264	0.294
	Display Area (mm)	337.92H x 270.33V	376.32H x 301.06V
	Surface treatment	Haze 25%, Hard-coating	
	Surface hardness	3H	3H
	Backlight Type	LED	LED
	MTBF (hrs)	30,000	30,000

Video Connectivity			
	Digital	HDMI	HDMI 1.2, CEA-861-D
		DVI	DVI-D, TMDS single link
	Analog	VGA	Analog 0.7Vp-p
		Composite (BNC)	NTSC & PAL
		S-Video (4-pin)	NTSC & PAL
	Plug & Play	DVI / VGA	VESA EDID structure 1.3
	Synchronization	VGA	Separate, Composite & SOG

Power			
	Power Supply	Range	Auto-sensing 100 to 240VAC, 50 / 60Hz
	Power Consumption for Single Console	Screen ON	Max. 25W
		Power saving mode	Max. 4W
		Power button OFF	Max. 1W
	Power Consumption with KVM integration	Screen ON	Max. 55W
		Power saving mode	Max. 34W

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

Regulatory	Safety	FCC & CE certified
	Environmental	RoHS2 & REACH compliant

< 2.1 > Product Specifications - RKP2417 / 2419

Environmental Conditions	Operating	Temperature	0 to 55°C degree
		Humidity	20~90%, 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	5~500Hz 1G RMS random

Physical Specification		RKP2417	RKP2419
	Product (W x D x H)	441.6 x 480 x 88 mm	441.6 x 480 x 88 mm
		17.4 x 18.9 x 3.5 inch	17.4 x 18.9 x 3.5 inch
	Packing (W x D x H)	585 x 620 x 190 mm	585 x 620 x 190 mm
		23 x 24.4 x 7.5 inch	23 x 24.4 x 7.5 inch
	Net Weight	20.4 kgs / 44.9 lbs	20.5 kgs / 45.1 lbs
	Gross Weight	24.8 kgs / 54.6 lbs	24.8 kgs / 54.6 lbs

Applicable Format	DVI-D / VGA Input	PC Signal	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
			576p : 50Hz
		Audio Signal	2ch Linear PCM (32 / 44.1 / 48 KHz)
		Speaker	Dual Stereo Speaker, 2 x 2W

< 2.1 > Product Specifications - RKP2417F / 2417X

LCD Panel		RKP2417F	RKP2417X
	Panel Size (diagonal)	17.3-inch Widescreen TFT color LCD	17.1-inch Widescreen TFT color LCD
	Display pixel (dots x lines)	1920 x 1080	1920 x 1200
	Brightness (typ.)	400	210
	Contrast Ratio (typ.)	600:1	600:1
	Color	16.7 M, 8-bit	16.7 M, 8-bit
	Viewing Angle (L/R/U/D)	80/80/60/80	65/65/55/55
	Response Time (ms)	5.5	30
	Dot pitch (mm)	0.1989	0.191
	Display Area (mm)	381.888H x 214.812V	367.20H x 229.50V
	Surface treatment	Anti-glare, Hard-coating	
	Surface hardness	3H	3H
	Backlight Type	LED	LED
	MTBF (hrs)	50,000	20,000

Video Connectivity			
	Digital	HDMI	HDMI 1.3, CEA-861-D
		DVI	DVI-D, TMDS single link
	Analog	VGA	Analog 0.7Vp-p
	Plug & Play	DVI / VGA	VESA EDID structure 1.3
	Synchronization	VGA	Separate, Composite & SOG

Power				
	Power Supply	Range	Auto-sensing 100 to 240VAC, 50 / 60Hz	
	Power Consumption for Single Console	Screen ON	Max. 25W	Max. 34W
		Power saving mode	Max. 4W	Max. 4W
		Power button OFF	Max. 1W	Max. 1W
	Power Consumption with KVM integration	Screen ON	Max. 55W	Max. 59W
		Power saving mode	Max. 34W	Max. 29W

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

Regulatory		
	Safety	FCC & CE certified
	Environmental	RoHS2 & REACH compliant

< 2.1 > Product Specifications - RKP2417F / 2417X

Environmental Conditions	Operating	Temperature	0 to 55°C degree
		Humidity	20~90%, 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	5~500Hz 1G RMS random

| Physical Specification		RKP2417F	RKP2417X
	Product (W x D x H)	441.6 x 480 x 88 mm	441.6 x 480 x 88 mm
		17.4 x 18.9 x 3.5 inch	17.4 x 18.9 x 3.5 inch
	Packing (W x D x H)	585 x 620 x 190 mm	585 x 620 x 190 mm
		23 x 24.4 x 7.5 inch	23 x 24.4 x 7.5 inch
	Net Weight	20.4 kg / 44.9 lb	20.4 kg / 44.9 lb
	Gross Weight	24.8 kg / 54.6 lb	24.8 kg / 54.6 lb

Applicable Format	DVI-D / VGA Input	PC Signal	1920 x 1200 x 60Hz (RKP2417X only)
			1920 x 1080 x 60Hz (RKP2417F only)
			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	1080p : 60Hz
			720p : 50 / 60Hz
			480p : 60Hz
			576p : 50Hz
		Audio Signal	2ch Linear PCM (32 / 44.1 / 48 KHz)
		Speaker	Dual Stereo Speaker, 2 x 2W

< 2.2 > Standard Keyboard / Mouse Specifications

Ge   G keyboard integrated with touchpad   **Gb**   G keyboard integrated with trackball
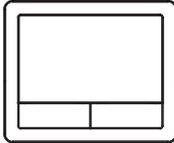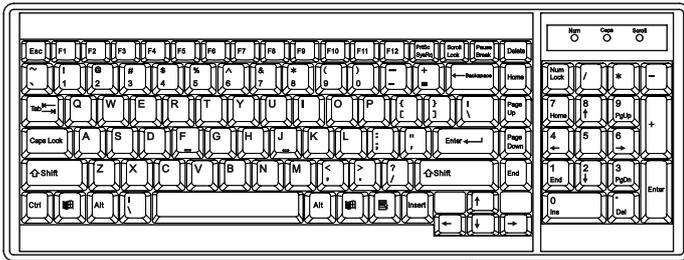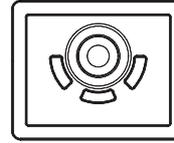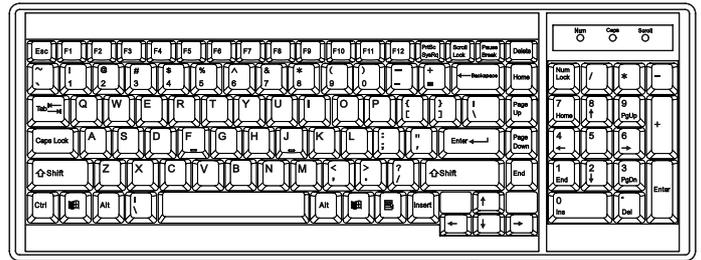
Key force	55 ± 5g
Travelling distance	3 ± 0.3mm
Switch life	> 10 million life cycle time
OS support	Windows / Linux / Unix / Mac OS

Supporting layouts

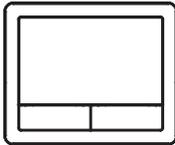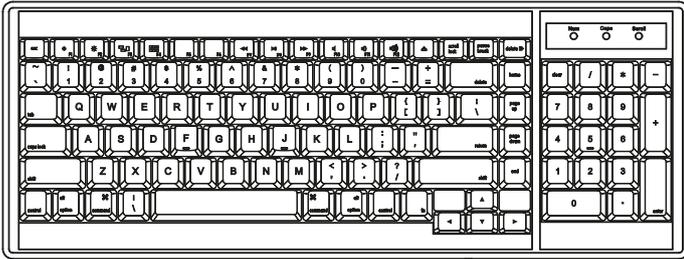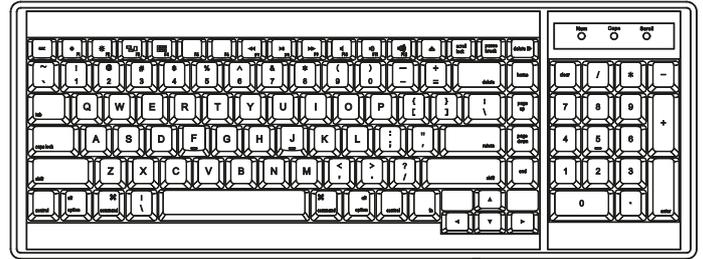|					
America	United States				
EMEA	United Kingdom	Germany	France	Spain	Norway
	Italy	Russia	Switzerland	Netherlands	Portugal
Asia	China	Japan	Korea	Arabia	Turkey

< 2.2 > MAC Keyboard / Mouse Options

Me   MAC keyboard integrated with touchpad   **Mb**   MAC keyboard integrated with trackball
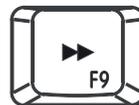

Supporting layouts

America

United States

How to Use "MAC" Keyboard

Keyboard Features

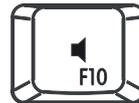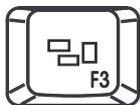 **F1**
Decrease display brightness

 F9
Fast-forward

 F2
Increase display brightness

 F10
Mute sound

 F3
Mission control
* Only works with OS X Lion
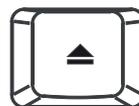   default Keyboard Shortcuts.

 F11
Decrease volume

 F4
Dashboard

 F12
Increase volume

 F7
Rewind

 Eject disc

 F8
Play / Pause

 Command

< 2.2 > SUN Keyboard / Mouse Options

Se   S keyboard integrated with touchpad   **Sb**   S keyboard integrated with trackball
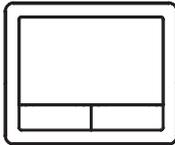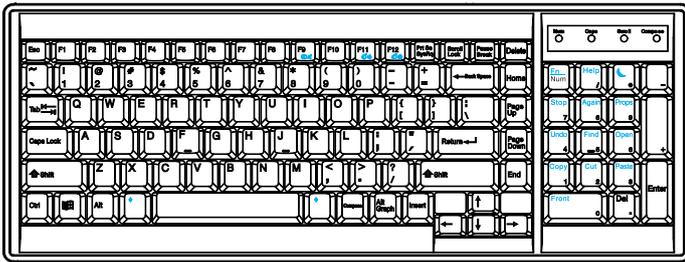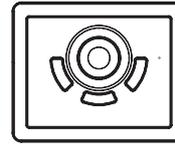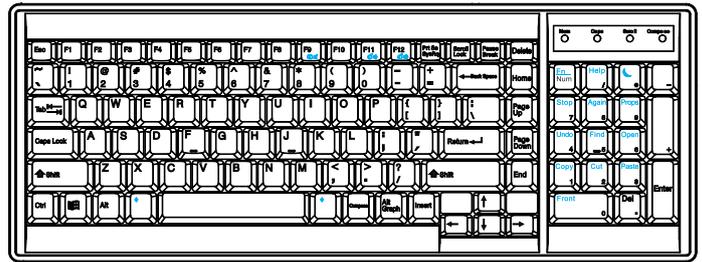
S keyboard integrated with touchpad / trackball

SOLARIS®

- ■ 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
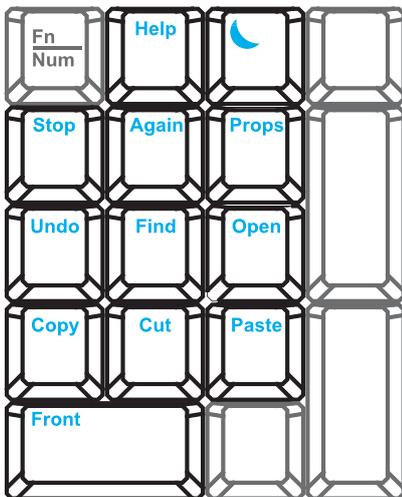
Num LED in Off mode

Key pad behaves as a SUN Solar system administration command mode
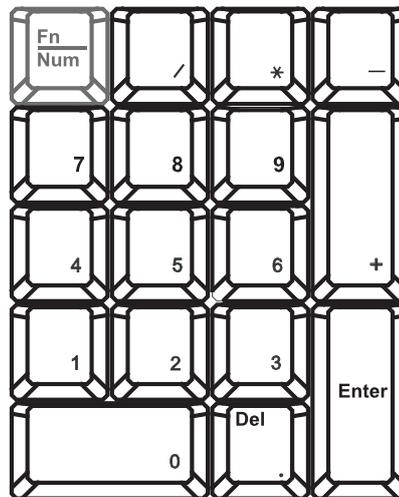
Num LED in Green mode

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

< 2.3 > On-screen Display Operation (OSD)

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** ⏻).

< 2.2 > On-screen Display Operation (OSD)

RKP2417 / RKP2419
RKP2417F

Ver: G56SN20SSTD701	1024 x 768 59.8Hz

Image

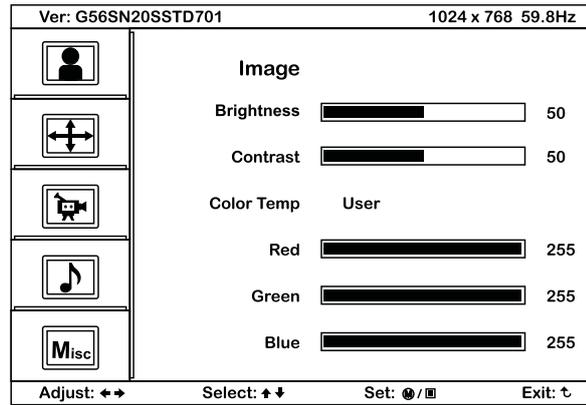|		
Brightness	▬▬▬▬	50
Contrast	▬▬▬	50
Color Temp	User	
Red	▬▬▬▬▬▬▬	255
Green	▬▬▬▬▬▬▬	255
Blue	▬▬▬▬▬▬▬	255

Adjust: ←→   Select: ↑↓   Set: ◉/▣   Exit: ↺

OSD Configuration Page

Image:
for the brightness, contrast, color temp, red, green, and blue
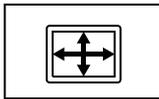
Geometry:
for the auto adjust, H position, V position, phase and clock

Video:
for the colour, tint, sharpness, noise reduction, DCDi and TV Setup

Audio:
for volume, bass, treble, balance, AVL and mute

Misc:
for the language, OSD position, graphic mode, ratio, reset and timer

RKP2417X

① **Picture**

Picture mode :	Standard / Vivid / Soft / User mode to choose
Brightness :	Adjust background black level of the screen image
Contrast :	Adjust the difference between the image background (black level) and the foreground (white level)
Hue:	Adjust the screen hue value
Saturation :	Adjust the saturation of the image color
Picture size :	Adjust the image size
Color temp :	Standard / Cool / Warm / User to choose
Noise reduce :	Reduce the noise of the image
Sharpness :	Adjust the image from weak to sharp

Picture

Picture mode
Brightness
Contrast
Hue
Saturation
Picture size
Color temp
Noise reduce
Sharpness
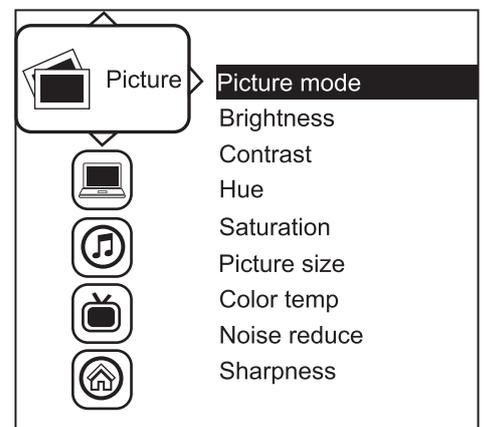
< 2.2 > On-screen Display Operation (OSD)

② **PC**

Auto adjust :	Automatically adjust sizes, centers and fine tunes the video signal to eliminate waviness and distortion.
Clock :	Adjust the clock value
Phase :	Adjust the phase value
H. Position :	Align the screen image left or right
V. Position :	Align the screen image up or down

PC

Auto adjust
Clock
Phase
H positive
V positive
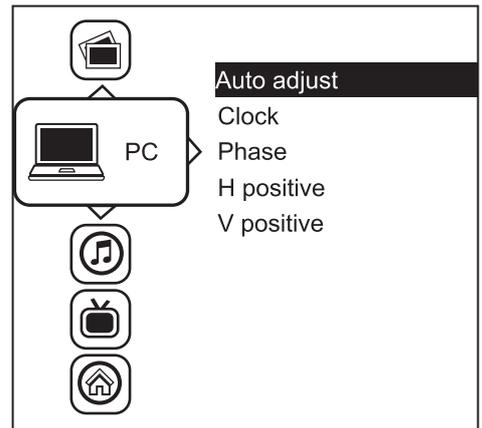
③ **Audio**

Audio mode :	Movie / Voice / Normal / Music mode to choose
Volume :	Adjust the volume of sound
Bass :	Set the value of bass sound
Treble :	Set the value of treble sound
Balance :	Set the balance value of treble and bass sound
Analog TV audio :	Set the value of analog TV audio sound
Mute :	Turn off the surrounding sound

Audio

Audio mode
Volume
Audio track
Bass
Treble
Balance
Analog TV audio
Mute
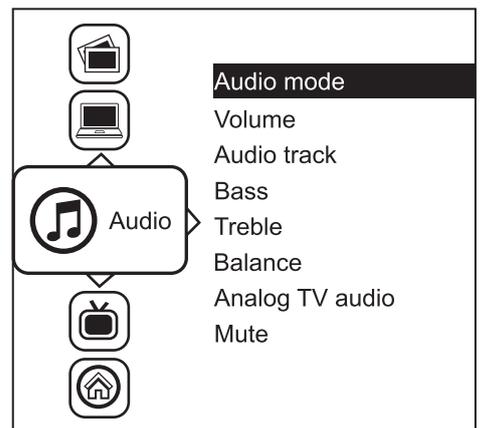
④ **MISC**

Language :	Select the language in which the OSD menu is displayed - English
Sleep timer :	Set the off time
PIP mode :	Adjust picture in picture setting
PIP position :	Enter into PIP position
PIP source :	Enter into the Sub source and sound source
System reset :	Return the adjustment back to factory setting
Information :	Select for Help

MISC

Language
Sleep timer
PIP mode
PIP position
PIP source
System reset
Information
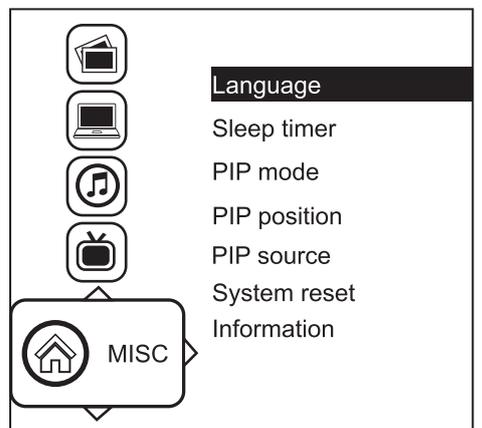
< Part 3 >

< 3.1 > RKP2417F 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.

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 / Asynchronized 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

< 3.1 > RKP2417F Options : HDMI

- HDMI (HDMI 1.3, CEA-861-D)

⚠️

(1) In some circumstances, if the user connects the LCD to PC via HDMI port for video and audio signals, the LCD may display incorrectly on a full screen. If so, please adjust the display card setting on display size to fix the issue.

		HDMI	DVI-D
Power		KVM	

< 3.1 > RKP2417F Options : Touchscreen & driver

F17" USB Touchscreen Specification

Model	**TRB** e-Resistive
Technology	5-Wire Resistive
Touch Point	Single
Method	Stylus or Finger
Activation Force	≤ 50g / Stylus=R0.8
Durability	10 million touches
Response Time	15 ms
Optical Transmittance	80% ± 3%
Surface Hardness	3H
Haze	8% ± 3%
Glass	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

Power	DVI-D
	KVM

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/software/lcd-console-drawer

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

TouchKit

TouchKit

Welcome to the InstallShield Wizard for TouchKit

The InstallShield Wizard will install TouchKit on your computer. To continue, click Next.

InstallShield   < Back   Next >   Cancel

< 3.1 > RKP2417F Options : DC Power

Model	12V	24V	48V	125V
Input rating				
Input voltage:	12-Volt	24-Volt	48-Volt	110-Volt
Input range:	9 ~ 18V	18 ~ 36V	36 ~ 75V	66 ~ 160V
Input current				
- No load	50 mA	50 mA	50 mA	35 mA
- Full load	4950 mA	2450 mA	1220 mA	749 mA
Output rating				
Output voltage:	12-Volt	12-Volt	12-Volt	12-Volt
Output current:	4.16A	4.16A	4.16A	6.25A
Efficiency	84%	85%	85%	91%

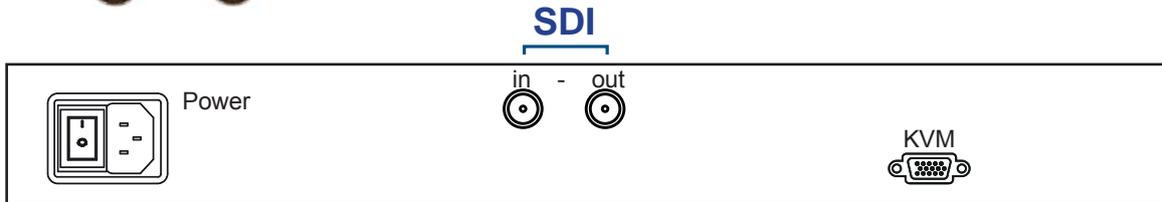## DC power

***   For DC power option :

(1) If the unit with LCD, | earthing | may be required ⚠

(2) DC option excludes AC power adapter and power cord.

< 3.2 > RKP2417X 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.

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 / Asynchronized 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

< 3.2 > RKP2417X Options : HDMI

- HDMI (HDMI 1.3, CEA-861-D   )

⚠️

(1) In some circumstances, if the user connects the LCD to PC via HDMI port for video and audio signals, the LCD may display incorrectly on a full screen. If so, please adjust the display card setting on display size to fix the issue.

Power	HDMI	DVI-D
	KVM	

< 3.2 > RKP2417X Options : Touchscreen & driver

X17" USB Touchscreen Specification

Model	TRB e-Resistive	TCB e-Capacitive
Technology	5-Wire Resistive	Capacitive
Touch Point	Single	Single
Method	Stylus or Finger	Finger
Activation Force	≤ 50g / Stylus=R0.8	≤ 50g
Durability	10 million touches	300 million touches
Response Time	15 ms	20 ms
Optical Transmittance	80% ± 3%	92% ±2%
Surface Hardness	3H	9H
Haze	8% ± 3%	7%
Glass	2.2 ±0.2 mm	2.8 mm ±10%
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
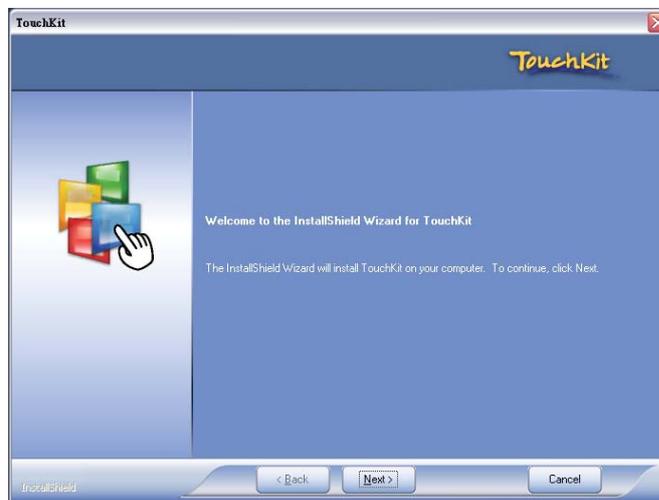
USB Touchscreen

Power

DVI-D

KVM

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/software/lcd-console-drawer

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

< 3.2 > RKP2417X Options : DC Power

Model	12V	24V	48V	125V
Input rating				
Input voltage:	12-Volt	24-Volt	48-Volt	110-Volt
Input range:	9 ~ 18V	18 ~ 36V	36 ~ 75V	66 ~ 160V
Input current				
- No load	50 mA	50 mA	50 mA	35 mA
- Full load	4950 mA	2450 mA	1220 mA	749 mA
Output rating				
Output voltage:	12-Volt	12-Volt	12-Volt	12-Volt
Output current:	4.16A	4.16A	4.16A	6.25A
Efficiency	84%	85%	85%	91%

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.

< 3.3 > RKP2417 / 2419 Options : HDMI / DVI-D / S-Video + BNC

- HDMI   (HDMI 1.2, CEA-861-B   )

- DVI-D   (DVI-D TMDS single link   )

- AV   (S-Video + Composite, BNC)

⚠️

(1) In some circumstances, if the user connects the LCD to PC via HDMI port for video and audio signals, the LCD may display incorrectly on a full screen. If so, please adjust the display card setting on display size to fix the issue.

(2) For dual slide 1U / 2U LCD console drawer, the user can only select one of the above three options.

< 3.3 > RKP2417 / 2419 Options : Touchscreen & driver

17" / 19" USB Touchscreen Specification

Model	17'	19"	17"	19"
	TRB e-Resistive		TCB e-Capacitive	
Technology	5-Wire Resistive		Capacitive	
Touch Point	Single		Single	
Method	Stylus or Finger		Finger	
Activation Force	≤ 50g / Stylus=R0.8		≤ 50g	
Durability	35 million touches		300 million touches	
Response Time	15 ms		20 ms	
Optical Transmittance	80% ± 3%		93% ±2%	
Surface Hardness	3H		9H	
Haze	8% ± 3%		7%	
Glass	1.4 ±0.2 mm	3.2 ±0.2 mm	2.8 mm ±10%	2.8 mm ±10%
Connector	USB Type A		USB Type A	
Compatibility	Windows 7 / XP / Vista, Linux		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
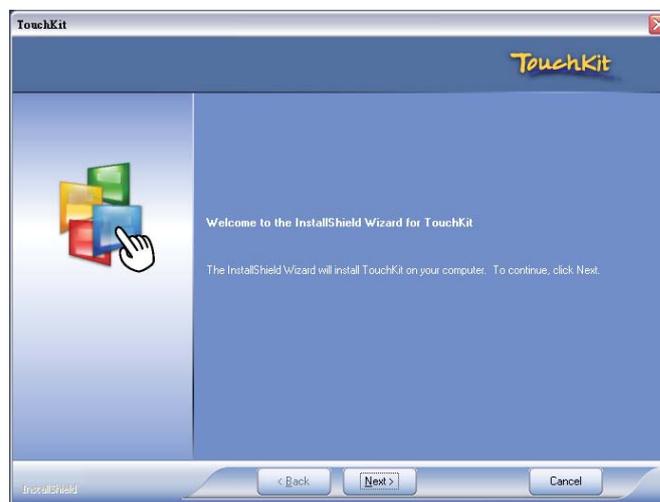
USB Touchscreen

Power

KVM

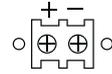**Please follow the below steps to setup the touch screen:-**

Step 1. Run the bundled CD disc or download the driver from the link below :
http://www.austin-hughes.com/resources/software/lcd-console-drawer

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"

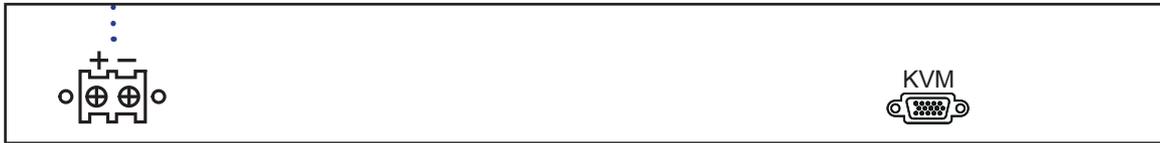⚠ Please do the initial calibration after the first setup

< 3.3 > RKP2417 / 2419 Options : DC Power

Model	12V	24V	48V	125V
Input rating				
Input voltage:	12-Volt	24-Volt	48-Volt	110-Volt
Input range:	9 ~ 18V	18 ~ 36V	36 ~ 75V	66 ~ 160V
Input current				
- No load	50 mA	50 mA	50 mA	35 mA
- Full load	4950 mA	2450 mA	1220 mA	749 mA
Output rating				
Output voltage:	12-Volt	12-Volt	12-Volt	12-Volt
Output current:	4.16A	4.16A	4.16A	6.25A
Efficiency	84%	85%	85%	91%

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.

< Part. 4 > KVM Integration

⚠️ **Cat6 KVM not applicable to the models of RKP2417X**

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

Matrix Cat6 KVM		Local	Remote	**IP**	8-port	16-port	32-port
		1	1	1	-	-MUIP1613	-MUIP3213
		1	1	2	-	-MUIP1624	-MUIP3224
		1	1	0	-	-MU1602	-MU3202
		1	2	0	-	-MU1603	-MU3203
		1	3	0	-	-MU1604	-MU3204

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

Cat6 KVM		Local	Remote	**IP**	8-port	16-port	32-port
		1	0	1	-UIP802	-UIP1602	-UIP3202
		1	1	0	-U802	-U1602	-U3202
		1	0	0	-U801	-U1601	-U3201

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

Matrix DB-15 KVM		Local	Remote	**IP**	8-port	16-port	32-port
		1	1	1	-MIP813	-MIP1613	-
		1	1	2	-MIP824	-MIP1624	-
		1	1	0	-M802	-M1602	-
		1	2	0	-M803	-M1603	-
		1	3	0	-M804	-M1604	-

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

Combo DB-15 KVM		Local	Remote	**IP**	8-port	16-port	32-port
		1	0	1	-IP802	-IP1602	-
		1	1	0	-802	-1602	-
		1	0	0	-S801	-S1601	-

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

DVI-D KVM		Local	Remote	**IP**	12-port	-	-
		1	0	0	-1201D	-	-

Model	Product Dimension (W x D x H)	Packing Dimension (W x D x H)	Net Weight	Gross Weight
RKP2417 with KVM **RKP2417F with KVM** **RKP2417X with KVM**	441.6 x 480 x 88 mm 17.4 x 18.9 x 3.5"	585 x 620 x 190 mm 23 x 24.4 x 7.5"	21.1 kg 46.4 lb	27 kg 59.4 lb
RKP2419 with KVM	441.6 x 480 x 88 mm 17.4 x 18.9 x 3.5"	585 x 620 x 190 mm 23 x 24.4 x 7.5"	21.5 kg 47.3 lb	27.4 kg 60.3 lb