

## User Manual 17" Ultra High Resolution LCD 1920 x 1200



### RM-111-XD17

#### 1U Dual Slide LCD Console Drawer

Options :

- SDI
- AV / HDMI / Audio
- DC power

FC CE

## Legal Information

First English printing, October 2002

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 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.

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## < Part. 4 > KVM Integration

<http://rackmountsales.com/v/pdf/citdvikvm.pdf>

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





## < Part 1 >

### < 1.1 > Package Content

RM-111XD-17



**RM-111-XD17 X 1**

**DVI-6 6ft DVI-D console cable X 1**

**( Alternative : USB-VGA-6 console cable )**

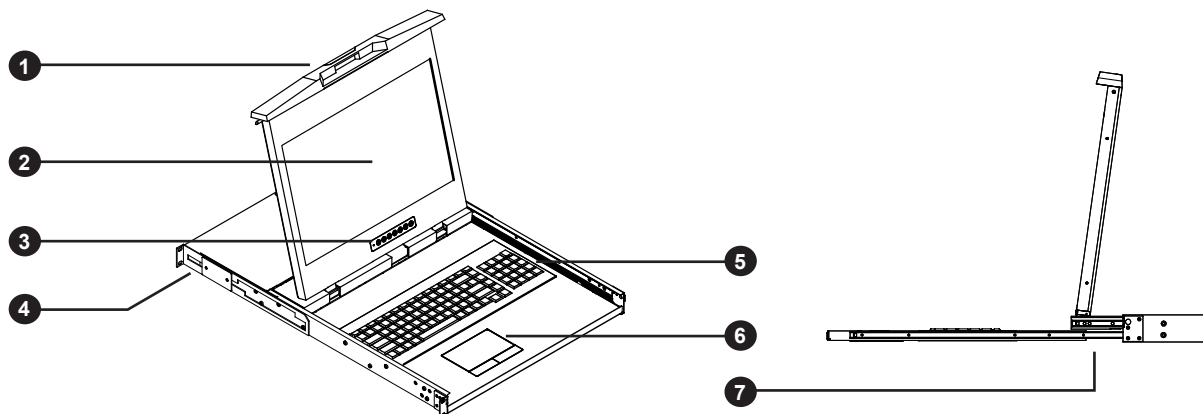
**Power cord X 1**

**Rear mounting L-bracket X 2 & M3.2\*6mm screw X 4**



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

### < 1.2 > Structure Diagram



① Carry handle to release the 2-pt lock

② LCD interchangeable module kit

③ LCD membrane

④ Rear mounting L-bracket

⑤ Keyboard interchangeable module kit

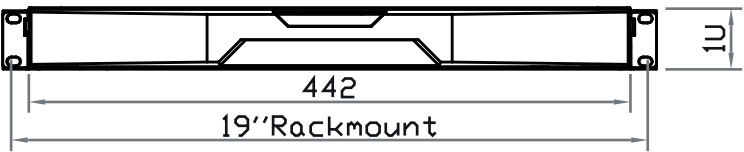
⑥ Touchpad mouse module

⑦ 1U dual slide for LCD console drawer

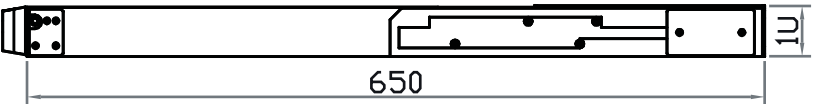


< 1.2 > Dimension

Front View

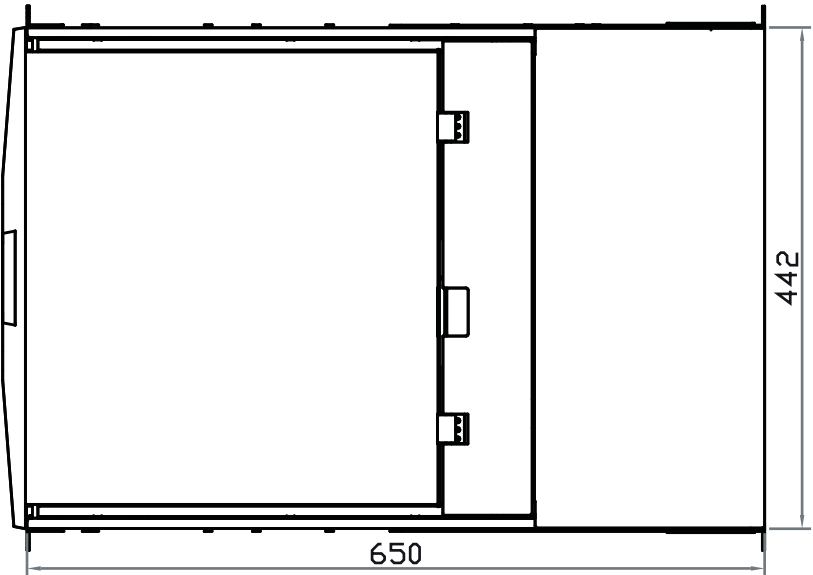


Side View




UNIT : mm  
1mm = 0.03937 inch

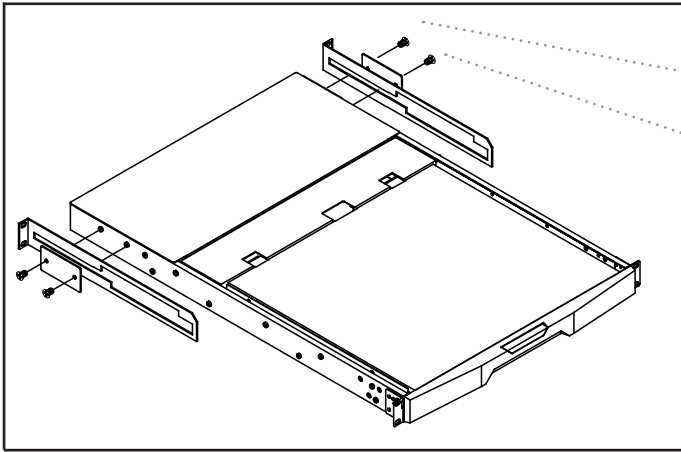
Top View



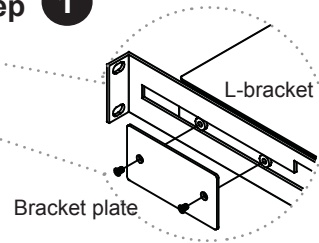
Model	Product Dimension (W x D x H)	Packing Dimension (W x D x H)	Net Weight	Gross Weight
RM-111-XD17	441.6 x 650 x 44 mm 17.4 x 25.6 x 1.73"	595 x 860 x 140 mm 23.4 x 33.9 x 5.5"	13 kg 29 lb	18 kg 40 lb

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

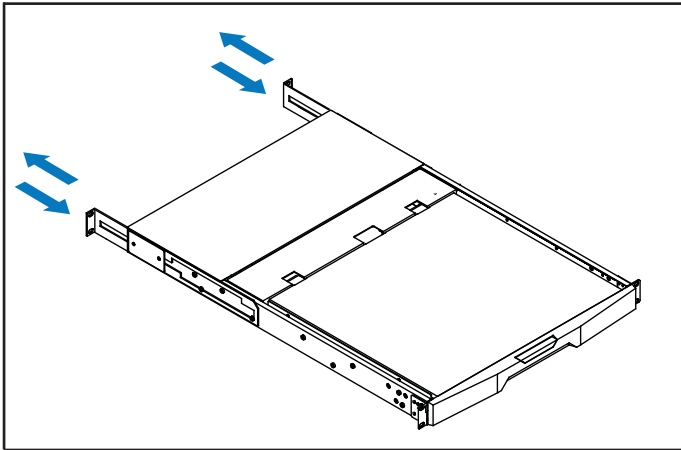
## < 1.3 > Installation- How to install **L-bracket**



### Step 1



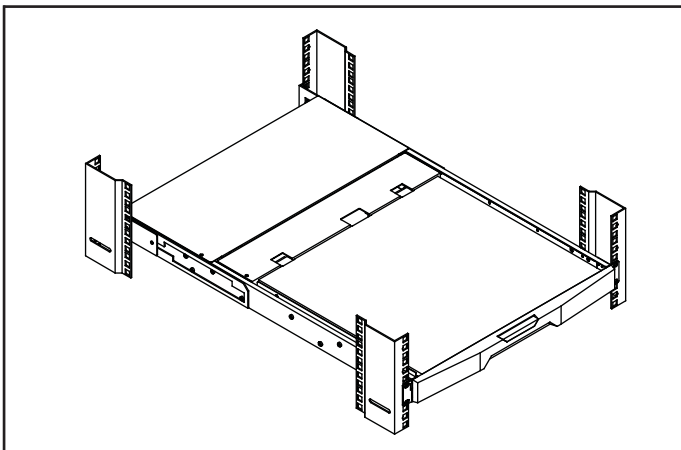
- Install left & right rear L-brackets with a bracket plate shown above.
- M3.2\*6mm screw x 4 pcs included ( Left & right side ).



### Step 2

- Measure the depth of the front and rear mounting rails.
- Align the L-brackets to a suitable length and fix the LCD console drawer with M6 cage nut and screws x 8 pcs.

**M6 screw sets are not provided.**



### Step 3

**Complete the installation**

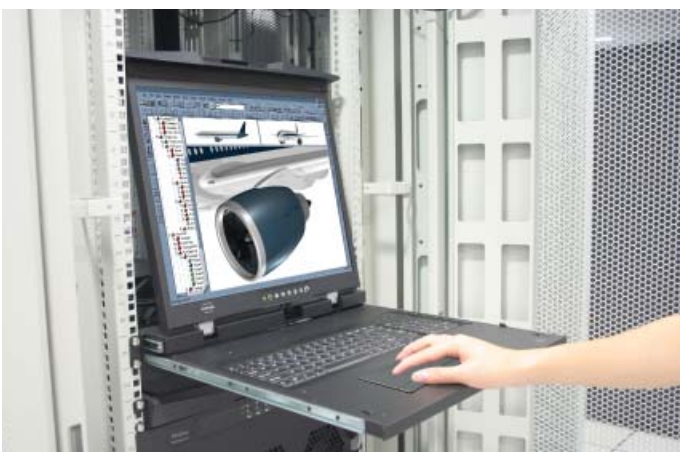
### < 1.3 > Installation - How to Use the Dual Slides



- Press the handle button and gently slide out the drawer.



- Flip up the LCD to a suitable angle.



- Operate the LCD console drawer.



- Flip down the front panel.

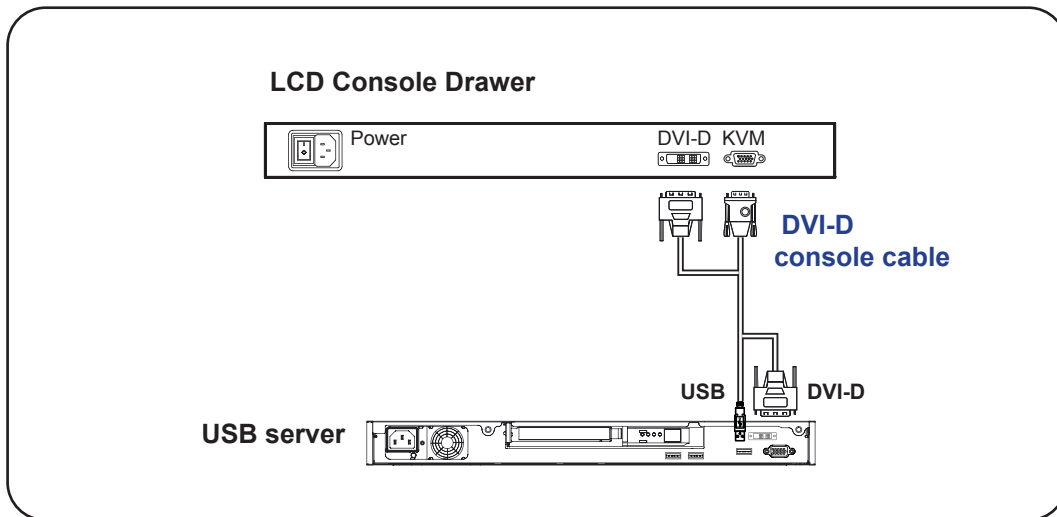


- Press the handle button and gently push back the drawer into the rack.

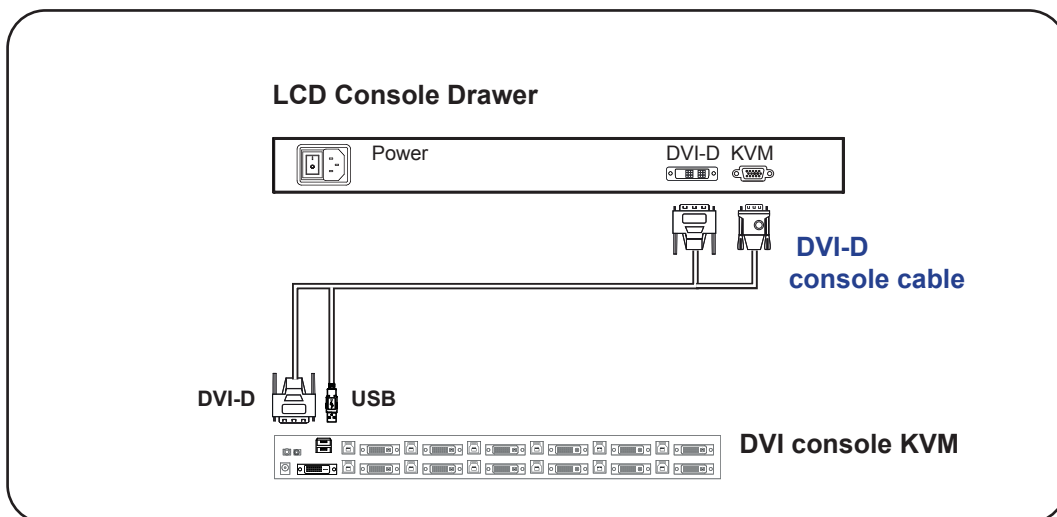


- Return the LCD console drawer to park position.

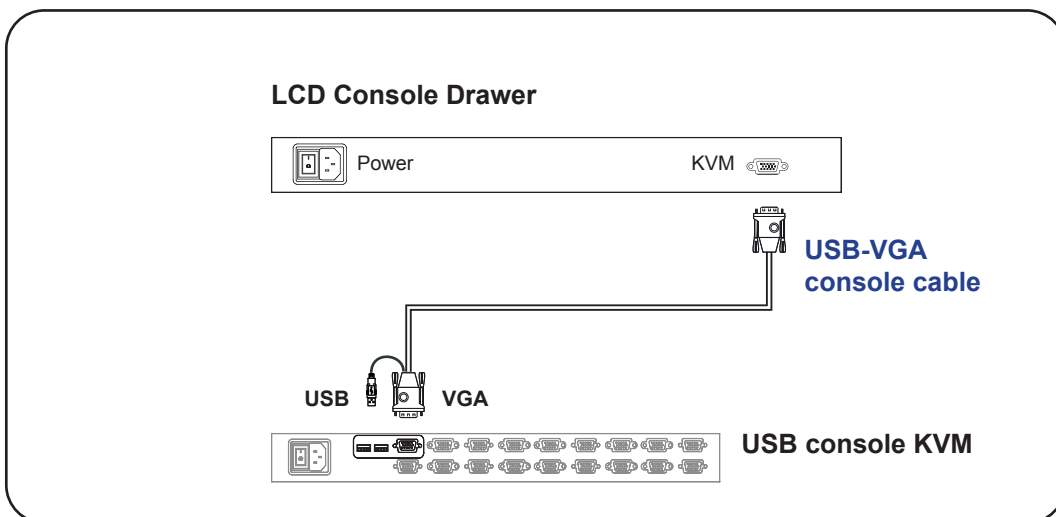
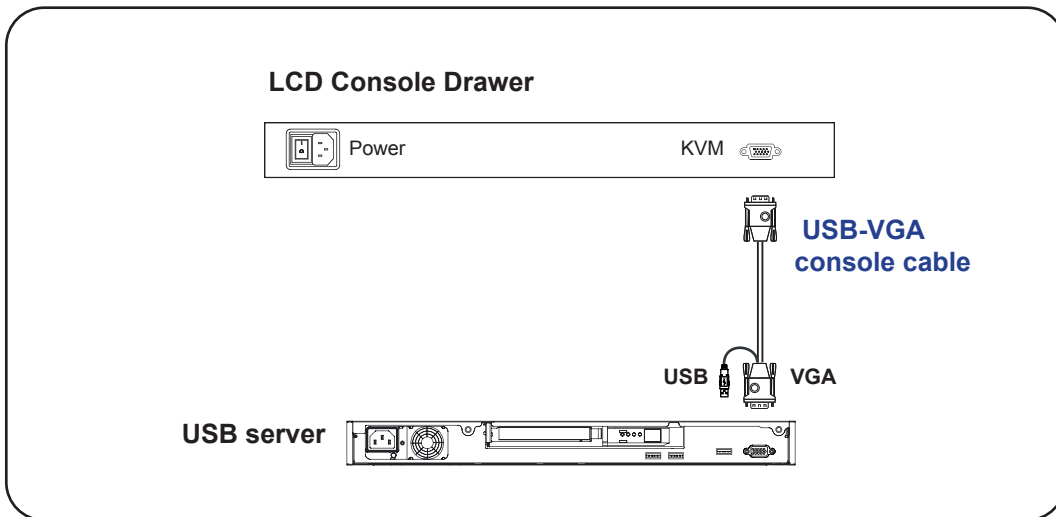
## < 1.4 > Connection to **USB Server** via DVI-6 cable



## < 1.4 > Connection to **external KVM** via DVI-6 cable



**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.



**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

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

Video Connectivity	Digital	HDMI	HDMI 1.1, 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

Audio Connectivity	Audio Input	Connector	3.5mm stereo jack
		Impedance / Power level	30kΩ / 750mV
	Audio Output	Connector	3.5mm stereo jack
		Resistance / Power level	30kΩ / 2.8V
	Speaker Output	Power	2 x 2W

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

Power	Power Supply	Range	Auto-sensing 100 to 240VAC, 50 / 60Hz
	Power Consumption	Screen display ON	34W or less
		Power saving mode	4W or less
		Power button OFF	1W or less

Regulatory	Safety Approval	FCC & CE
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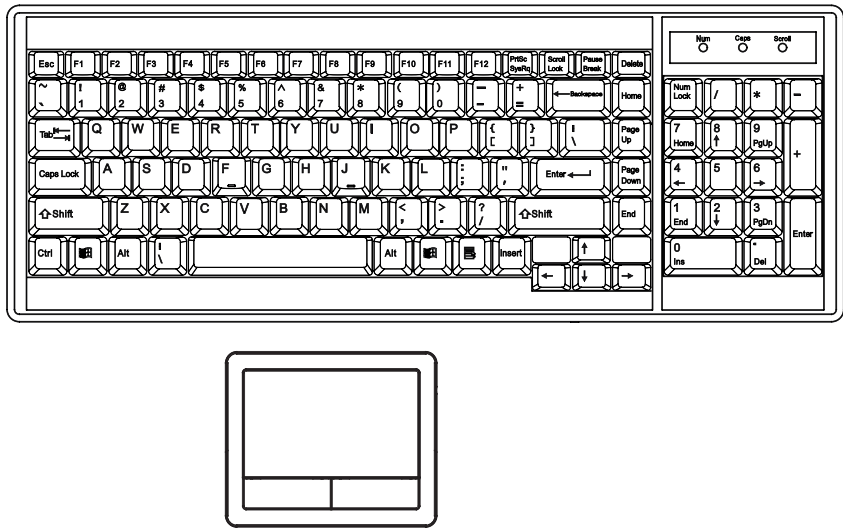
Environmental Conditions	Operating	Temperature	0 to 50°C degree
		Humidity	20~90%, non-condensing
	Storage	Temperature	-5 to 1°C degree
		Humidity	5~90%, non-condensing
		Shock	10G acceleration (11ms duration)
		Vibration	5~500Hz 1G RMS random

Physical Specification	Product ( W x D x H )	441.6 x 650 x 44 mm 17.4 x 25.6 x 1.73 inch
	Packing ( W x D x H )	595 x 860 x 140 mm 23.4 x 33.9 x 5.5 inch
	Net Weight	13 kgs / 29 lbs
	Gross Weight	18 kgs / 40 lbs

Applicable Format	DVI-D / VGA Input	PC Signal	1920 x 1200 x 60Hz
			1920 x 1080 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

< 2.2 > Keyboard / Mouse Specifications






**tp** keyboard integrated with touchpad



Key force	55 ± 5g
Travelling distance	3 ± 0.3mm
Switch life	> 10 million life cycle time
Software support	MS Windows 7 / 2008 / 2003 / 2000 / XP / ME / 98 / DOC Linux / Mac

Supporting layouts

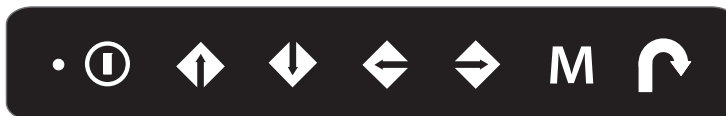
America   
United States

 United Kingdom  Germany  France  Spain  Norway

EMEA  Italy  Russia  Switzerland  Netherlands  Portugal

Asia  China  Japan  Korea  Arabia  Turkey

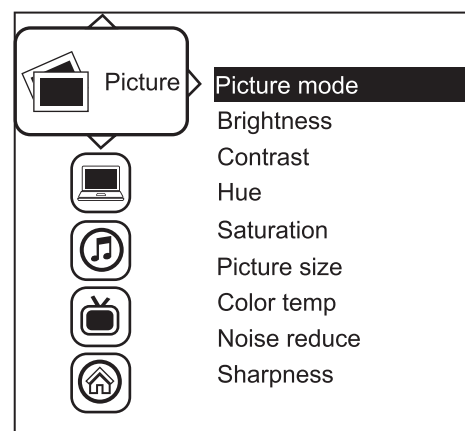
- Power light
- Green = On
- Orange = Power saving



Membrane Switch	Function
	Power on / off LCD
	Display the OSD menu
	Scrolls through menu options and adjusts the displayed control
	Exit the OSD screen Toggle analog, digital & video connection (DVI-D and video options only)

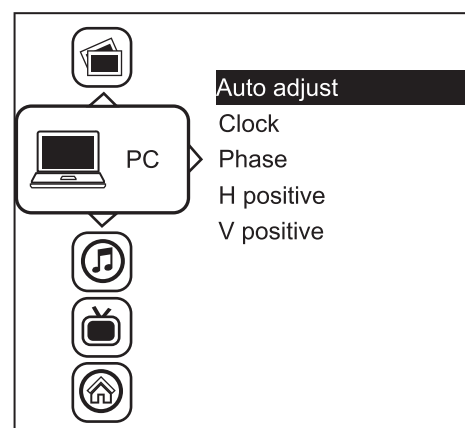
### ① Picture

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



### ② PC

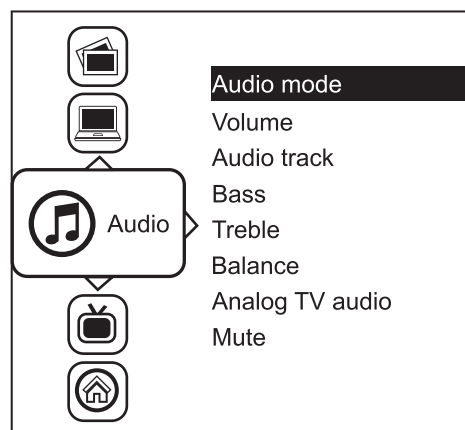
Auto adjust :	Automatically adjust sizes, centers and fine tunes the video signal to eliminate waviness and distortion.
Clock :	Adjust the clock value
Phase :	Adjust the phase value
H. Position :	Align the screen image left or right
V. Position :	Align the screen image up or down



## < 2.3 > On-screen Display Operation ( OSD )

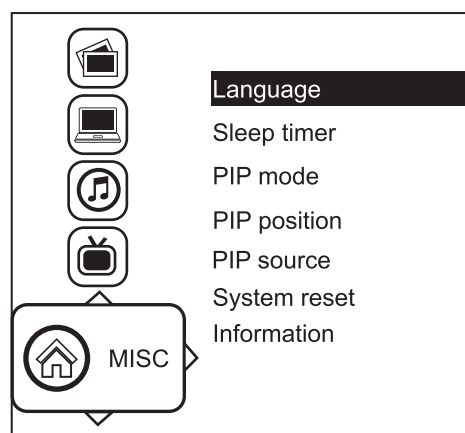
### ③ Audio

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



### 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



## < Part 3 >

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

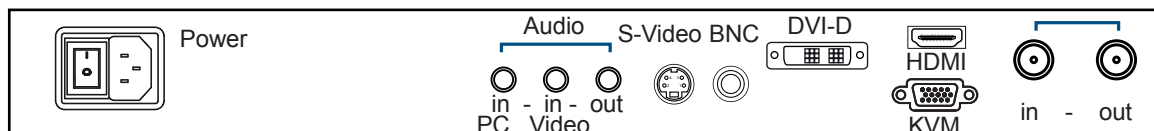
RM-111-XD17



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

Designed for use with CyberView Full HD 1080p and ultra high resolution 1920 x 1200 LCD displays, Austin Hughes provides a SDI input module without using additional space or power and it comes standard with a 2-year warranty.

#### 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

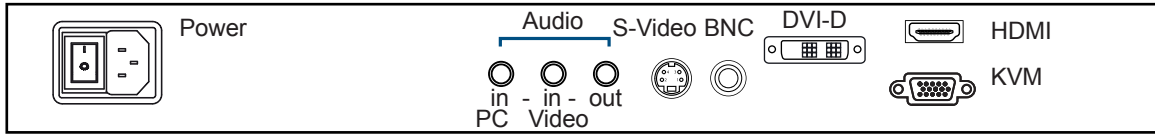
Compatible Audio Format	3G-SDI	48kHz, 16 / 20 / 24 bit, 2 CH, Synchronized Video
	HD-SDI	48kHz, 16 / 20 / 24 bit, 2 CH, Synchronized Video
	SD-SDI	48kHz, 16 / 20 / 24 bit, 2 CH, Synchronized / Asynchronized Video

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

## < Part 3 >

### < 3.1 > Options :

- **HDMI**
- **S-Video + BNC**
- **Audio**

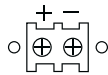


**AV** : S-Video + Composite (BNC)

**HDMI** : HDMI 1.1, CEA-861-D

**Audio** : 3.5mm audio jacks for audio in & out, and 2W + 2W speakers

< 3.3 > Options : DC Power



RM-111-XD17

Model	12V	24V	48V
<b>Input rating</b>			
Input voltage:	12-Volt	24-Volt	48-Volt
Input range:	9 ~ 18V	18 ~ 36V	36 ~ 75V
Input current			
- No load	50 mA	50 mA	50 mA
- Full load	4950 mA	2450 mA	1220 mA
<b>Output rating</b>			
Output voltage:	12-Volt	12-Volt	12-Volt
Output current:	4.16A	4.16A	4.16A
<b>Efficiency</b>	84%	85%	85%

DC power



\*\*\*

Option excludes 1 x power cord and 1 x AC power adapter

