

CyberView F1417 1U Ultra Short Depth LCD Console Drawer **User Manual**

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CyberView F1417 1U Ultra Short Depth LCD Console Drawer



Legal Information

First English printing, February 2021

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, fi re or electrical shock.
- Only qualifi ed 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 qualifi ed 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, fi re, 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 fl uctuation or failure.
 - Use of supplies or parts not meeting our specifi cations.
 - Normal wear and tear.
 - Any other causes which does not relate to a product defect.
- Removal, installation, and set-up service charges.

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 microfi ber 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 microfi ber cloth.

Caution: Do not spray or apply any liquids directly onto the monitor. Always apply the solution to your microfi ber cloth fi rst, not directly on the parts you are cleaning.

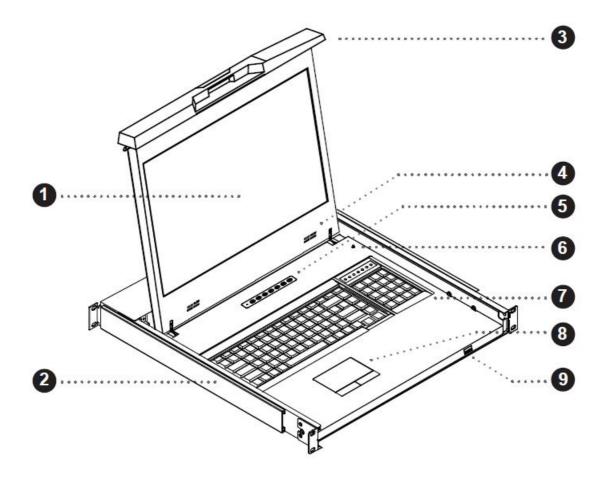
- 3. Gently wipe the surface. Use as little pressure as possible.
- 4. Wait until your monitor is completely dry before plugging it in and powering it up.

Package Content



- CX-6A 6ft DVI-D console cable X 1 (Alternative : CB-6A 6ft VGA console cable) - 2.5A Power adapter & Power cord X 1 - M6 screw, cage nut & cup washer X 8

Structure Diagram

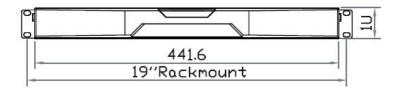


- 1. LCD interchangeable module kit
- 2. Installation Slides
- 3. Molded front handle
- 4. Audio speaker (for SDI or HDMI option)
- 5. LCD membrane
- 6. Micro switch for screen auto power off
- 7. eyboard interchangeable module kit
- 8. Mouse interchangeable module kit
- 9. Front USB port for device access (USB Hub KVM only)

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

Dimensions

Front View

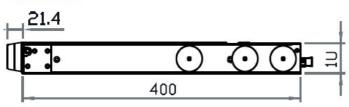


Rear View

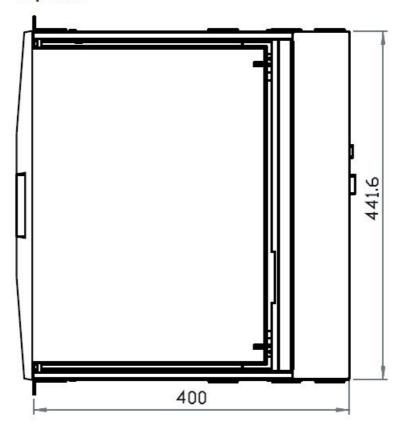


Side View





Top View

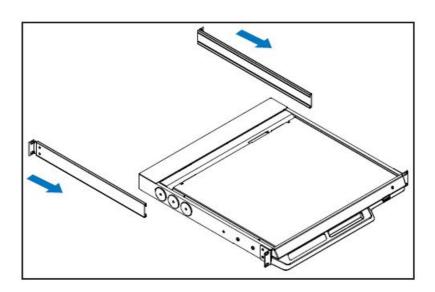


Model	Product Dimension (W x D x H)	Packing Dimension (W x D x H)	Net Weight	Gross Wei ght
F1417	441.6 x 400 x 44 mm	590 x 622 x 140 mm	8.6 kg	13.6 kg
	17.4 x 15.7 x 1.73 inch	23.2 x 24.5 x 5.5 inch	18.9 lb	29.9 lb

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

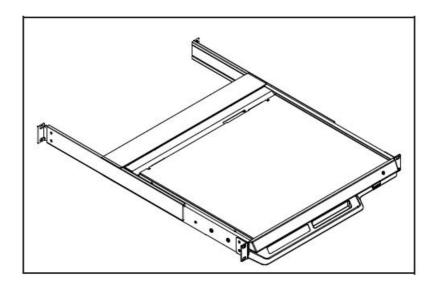
Installation

Step-1 Insert the left and right rear mounting brackets into the LCD console drawer.

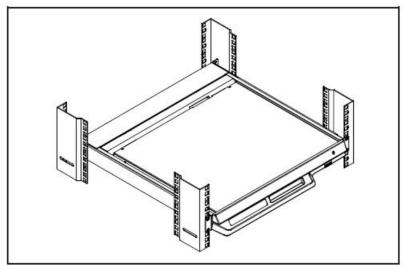


Step-2

- 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.

How to use the drawer

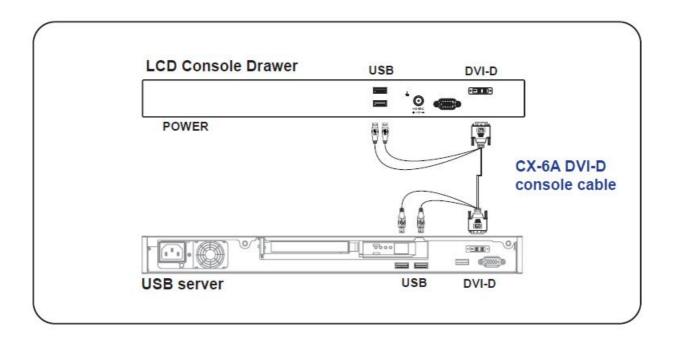




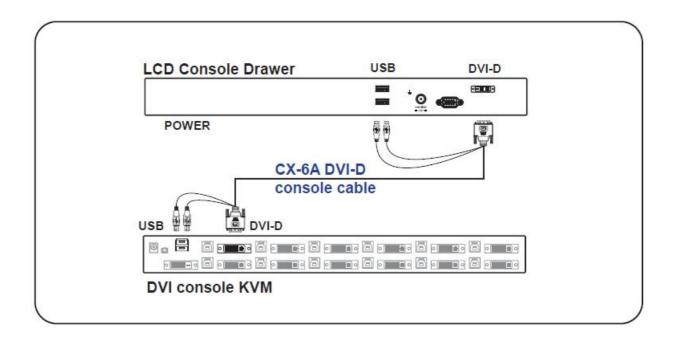
- Press the handle button and gently slide out the drawer.
- Flip up the LCD to a suitable angle.



• Operate the LCD console drawer.

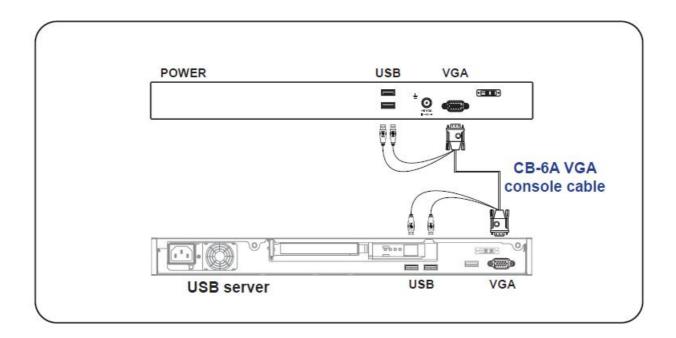


Connection to external KVM via CX-6A cable

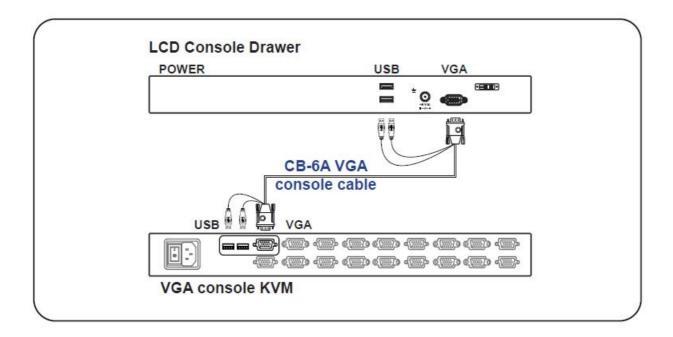


Caution: The LCD console drawer is hot-pluggable, but components of connected devices, such as the servers and KVM switch, may not be hot-pluggable. Plugging and unplugging cables while servers and KVM are powered on may cause irreversible damage to the servers, KVM and LCD console drawer. Before attempting 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.

Connection to USB Server via CB-6A cable



Connection to external KVM via CB-6A cable



Product Specifications

	F1417
Native Resolution	1920 x 1080
Panel Size (diagonal)	17.3"

	Brightness (cd/m²)	400
	Contrast Ratio (typ.)	600:1
	Colors	16.7 M, 8-bit
LCD Panel	Viewing Angle (L/R/U/D)	80/80/60/80
	Response Time (ms)	5.5
	Dot pitch (mm)	0.1989
	Display Area (mm)	381.888H x 214.812V
	Surface treatment	Anti-glare, Hard-coating
	Surface hardness	3H
	Backlight Type	LED
	MTBF (hrs)	50,000

	Digital .	HDMI	HDMI 1.4, HDCP 1.4
		DVI	DVI-D, TMDS single link
		VGA	Analog 0.7Vp-p
Connectivity	Analog	Display Port	DP 1.0 / HDCP 1.3
		Composite (BNC)	NTSC & PAL
	Plug & Play	DVI / VGA	VESA EDID structure 1.3
	Synchronization	VGA	Separate, Composite & SOG

	Power Supply	Range	Auto-sensing 100 to 240VAC, 50 / 60Hz
		Screen ON	Max. 14W
Power	Power Consumption for Single Console Power Consumption	Power saving mode	Max. 2W
		Power button OFF	Max. 1W
		Screen ON	Max. 45W
with KVM integration	Power saving mode	Max. 34W	

	EMC	FCC & CE certified
Compliance	Safety	CE / LVD certified
	Environment	RoHS3 & REACH compliant

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

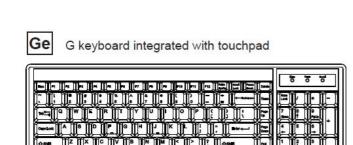
Physical Specification		F1417
	Product (W x D x H)	441.6 x 400 x 44 mm 17.4 x 15.7 x 1.73 inch
	Packing (W x D x H)	590 x 622 x 140 mm 23.2 x 24.5 x 5.5 inch
	Net Weight	8.6 kg / 18.9 lb
	Gross Weight	13.6 kg / 29.9 lb+-

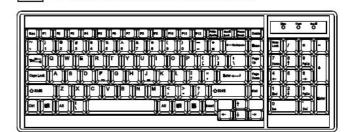
	PC Signal	1920 x 1080 x 60Hz
		1680 x 1050 x 60Hz
		1440 x 900 x 60Hz
		1360 x 768 x 60Hz
		1280 x 1024 x 60Hz
		1280 x 768 x 60Hz
DVI-D / VGA Input		1280 x 720 x 60Hz
21.27 to/pat		

			1152 x 864 x 60Hz
			1024 x 768 x 60Hz
			800 x 600 x 60Hz
			720 x 400 x 70Hz
			640 x 480 x 60Hz
		Audio Signal	2ch Linear PCM
		PC Signal	Same as VGA
		HDMI 1.4	1920 x 1080 x 50 / 60Hz (1080p)
Applicable			1920 x 1080 x 25 / 30Hz (1080i)
Format	HDMI Input		1280 x 720 x 50 / 60Hz (720p)
			720 x 480 x 50 / 60Hz (576p / 480p)
		Audio Signal	2ch Linear PCM
		PC Signal	1920 x 1080 x 60Hz
			1680 x 1050 x 60Hz
			1

		1440 x 900 x 60Hz
		1360 x 768 x 60Hz
		1280 x 1024 x 60Hz
		1280 x 768 x 60Hz
Display port Input		1280 x 720 x 60Hz
		1152 x 864 x 60Hz
		1024 x 768 x 60Hz
		800 x 600 x 60Hz
		720 x 400 x 70Hz
		640 x 480 x 60Hz
	Audio Signal	2ch Linear PCM

Standard Keyboard/Mouse Specifications





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





EMEA







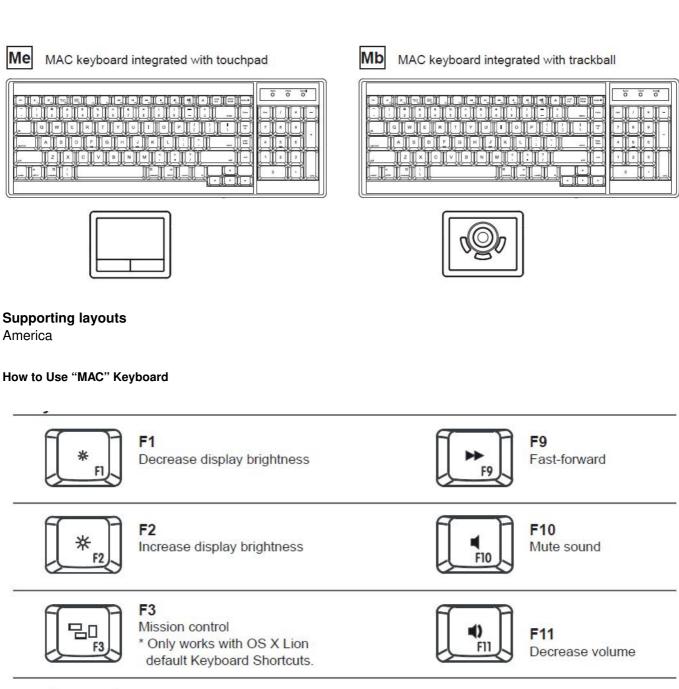


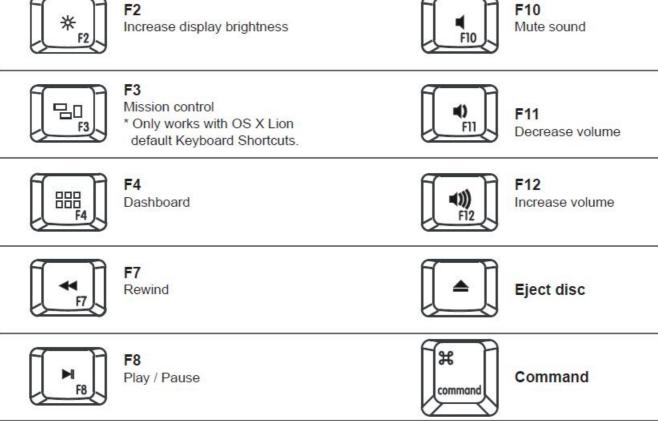


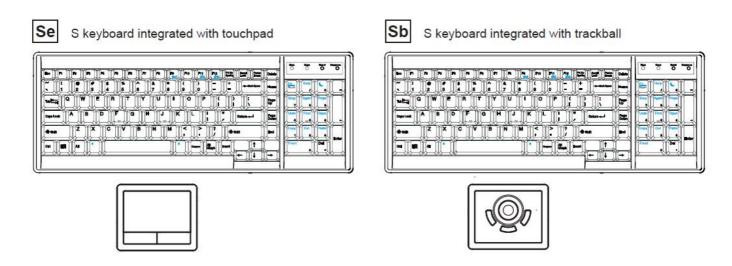
Asia







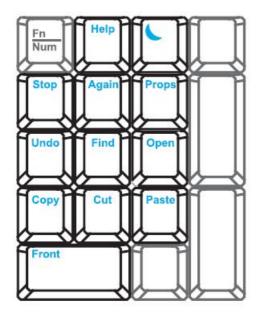


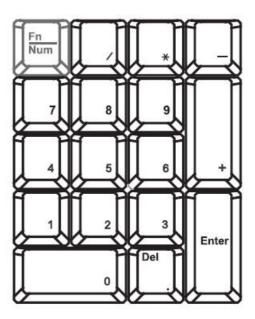


S keyboard integrated with touchpad/trackball

- 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

Keypad behaves as a SUN Solar system administration command mode

Num LED in Green mode

Keypad behaves as a normal keypad mode

Audio/Display Keys



F9

Audio : Mute Display : Degauss



F11

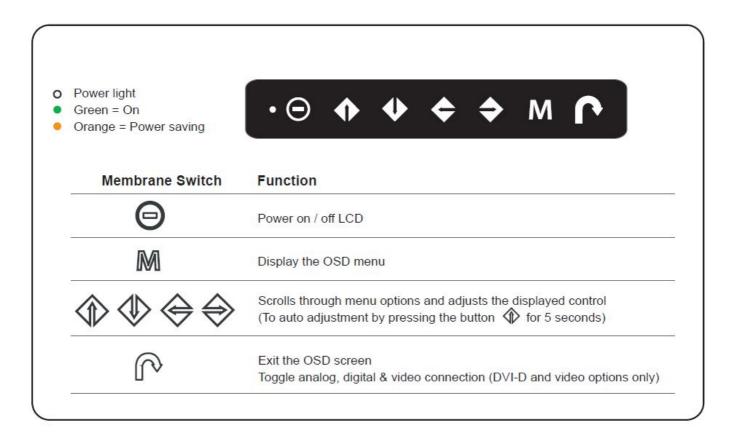
Audio : Decrease volume Display : Decrease contrast



F12

Audio : Increase volume Display : Increase contrast

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

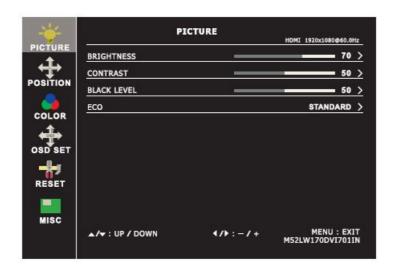
2. Position

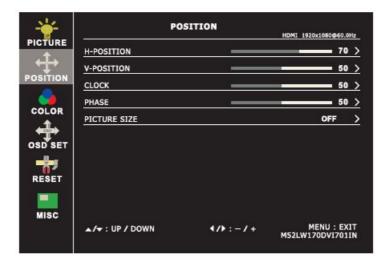
H-Position: To adjust the horizontal position of the video V-Position: To adjust the vertical position of the video

Clock: To auto adjust H. Size of the screen

Phase: To fine-tune the screen.

Picture size: FULL SCREEEN / 4:3 / 5:4 / 16:10





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

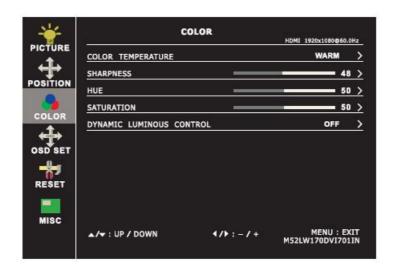
4. OSD Set

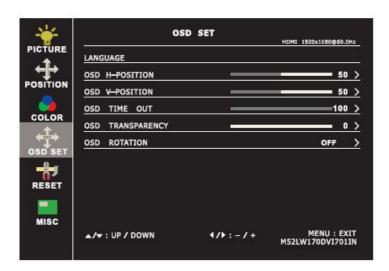
Language: Select the language in which the OSD menu is displayed – English

OSD H-Position: Align the screen image left or right **OSD V-Position:** Align the screen image up or down

OSD timeout: Adjust the screen timeout

OSD Transparency: Adjust the screen transparency OSD rotation: Rotate the screen – 90° / 180° / 270°





5. Reset

Reset: Return the adjustment back to the factory setting

6. MISC

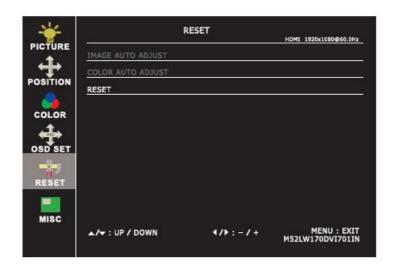
Signal source: Select the signal source – DP / HDMI1 / HDMI2

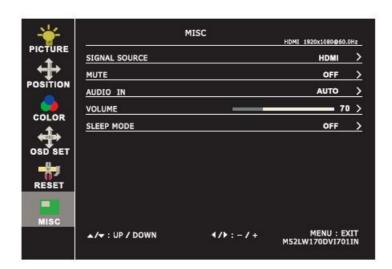
Mute: Turn off the surrounding sound

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

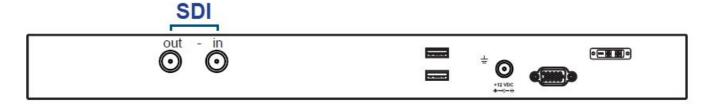




Options: 3G / HD / SD-SDI input

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)	Ī
	3G-SDI OUT	BNC x 1 / Active through, equalized & relocked	Ī

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

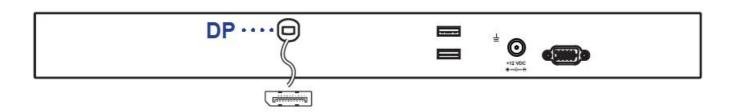
Compatible Video Format	3G-SDI	1080p	@60 / 50Hz, 4:2:2
		1080p	@30 / 25 / 24Hz, 4:4:4
		1080i	@60 / 50Hz, 4:4:4
		720p	@60 / 50Hz, 4:4:4
	HD-SDI	1080p	@30 / 25 / 24Hz, 4:2:2
		1080i	@60 / 50Hz, 4:2:2
		720p	@60 / 50Hz, 4:2:2
	SD-SDI	480i	@60Hz, 4:2:2
	ITU-R BT.656	576i	@50Hz, 4:2:2

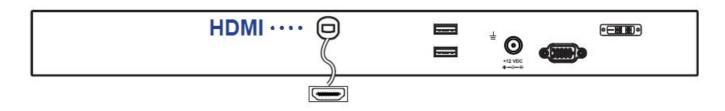
	3G-SDI	48kHz, 16 / 20 / 24 bit, 2 CH, Synchronized Video
	HD-SDI	48kHz, 16 / 20 / 24 bit, 2 CH, Synchronized Video
Compatible Audio Format	25.25	48kHz, 16 / 20 / 24 bit, 2 CH, Synchronized / Asyn-
	SD-SDI	chronized Video

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

DP Option-Display Port

(DP 1.0, HDCP 1.3)





BNC Option – Composite

(BNC)



AV4.4 Option

- Display Port
- HDMI
- Composite

(DP 1.0, HDCP 1.3) (HDMI 1.4, HDCP 1.4)(BNC)

DP HDMI BNC

I 12 VDC

I

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.

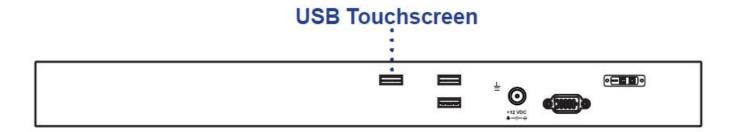
Touchscreen & driver

F17" USB Touchscreen Specification

Model	TRB	e-Resistive	
Technology			
gy	5-Wire Resistive		
Touch Point			
	Single		
	- Gilligio		
Input Type			
	Finger or Stylus		

Resolution		
	2048 x 2048	
Response Speed		
	15 ms	
Activation Force	≤ 50 g	
Surface Hardness	2 30 g	
	3H	
Light Transmission		
	80% ± 3%	
Haze	8% ± 3%	
Durability	070 ± 070	
	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



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 fi nish the setup
- Step 4. After installation, run the TouchKit program & the "4 point calibration"



Please do the initial calibration after the first setup



DC Power

Model	Model 12V		48V	125V	
Input rating Input volt age: Input range: Input current - No load	12-Volt 9 ~ 18V 50 mA	24-Volt 18 ~ 36V 50 mA	48-Volt 36 ~ 75V 50 mA	110-Volt 66 ~ 160V 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%	



For DC power option:

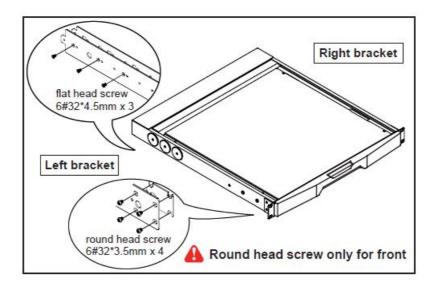
- 1. If the unit with LCD, earthing may be required
- 2. DC option excludes AC power adapter and power cord.
- 3. F1417 chassis extension in depth to 400mm (15.7")

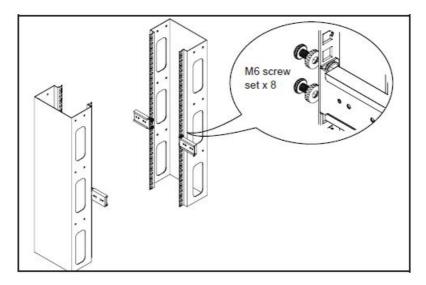
ORB-2.1 2-Post Rack Mounting Brackets

- Before apply 2-post rack brackets, please release front mounting ears and rear mounting wheels.
- Attach left and right mounting brackets to the drawer with the screws below:
 6#32*3.5 mm screw x 8 (only for front) 6#32*4.5 mm screw x 6 (only for rear)

Step 2

- Attach the set of 4 mini brackets to the 2-post rack.
- M6 screw set is not provided.

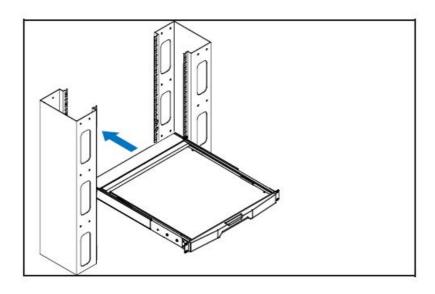


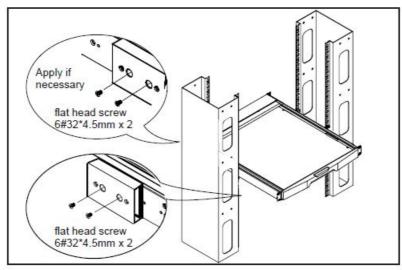


Step 3 Insert the drawer into the mini brackets.

Step 4

- Fix the LCD console drawer to the mini brackets with 6#32*4.5 mm screw x 8.
- · Installation completed





This step is necessary for the front. Failure to complete this will cause damage.

KVM Integration

 $\underline{www.austin-hughes.com/support/usermanual/cyberview/UM-CV-2KKVM-KIT.pdf}$

2K	Local	Remote		8-port	_	_
KVM	0	0	0	-801D	_	_

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

	Local	Remote		1 —	8-port	16-port	32-port
Cat6	1	1		·	-	-MUIP1613	-MUIP3213
	1	1	2		_	-MUIP1624	-MUIP3224
Matrix KVM	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

Local	Remote		1	8-port	16-port	32-port
1	0			-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

	Local	Remote		1	8-port	16-port	32-port
_	1	1		'	-MIP813	-MIP1613	-
	1	1	2		-MIP824	-MIP1624	_
Matrix KVM	1	1	0		-M802	-M1602	_
	1	2	0		-M803	-M1603	_
	1	3	0		-M804	-M1604	_

$\underline{www.austin-hughes.com/support/usermanual/cyberview/UM-CV-SKVM-KIT.pdf}$

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

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

DB-15 USB Hub KVM	Local	Remote		1 -	8-port	16-port	32-port
	1	0		'	-IP802H	-IP1602H	_
	1	1	0		-802H	-1602H	-
	1	0	0		-801H	-1601H	-

Model	Product Dimension (W x D x H)	Packing Dimension (W x D x H)	Net Weight	Gross Weight
F1417 with KVM	441.6 x 540 x 44 mm	590 x 808 x 140 mm	10.4 kg	17 kg
	17.4 x 21.3 x 1.73 inch	23.2 x 31.8 x 5.5 inch	22.9 lb	37.4 lb

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.

Documents / Resources



<u>CyberView F1417 1U Ultra Short Depth LCD Console Drawer</u> [pdf] User Manual F1417, 1U Ultra Short Depth LCD Console Drawer, F1417 1U Ultra Short Depth LCD Console Drawer, LCD Console Drawer, Console Drawer, Drawer

References

- Austin Hughes | Data Center Solutions, Server Rack Power Management, Rack Access, KVM Switch
- @ UltraView Large (55"/ 43"/ 32") 4K Professional LCD Video | Resources | Austin Hughes

Manuals+,