

CyberView DF117 1U Dual Slide LCD Console Drawer User Manual

Home » CyberView » CyberView DF117 1U Dual Slide LCD Console Drawer User Manual



Contents

- 1 CyberView DF117 1U Dual Slide LCD Console Drawer
- **2 Legal Information**
- 3 Safety Instructions
 - 3.1 What the warranty does not cover
 - **3.2 Regulatory Notices Federal Communications Commission** (FCC)
- **4 Before Installation**
- 5 Unpacking
 - **5.1 How To Clean Your LCD Monitor**
- **6 Cleaning Your Monitor**
- 7 Cleaning Tough Marks and Smudges
- **8 Package Content**
 - 8.1 Structure Diagram
 - 8.2 Dimension
 - 8.3 Installation How to Install
 - 8.4 Installation How to Use the Dual Slides
 - 8.5 Connection to USB Server via CX-6A Cable
 - 8.6 Connection to External KVM via CX-6A Cable
 - 8.7 Connection to USB Server via CB-6A Cable
 - 8.8 Connection to External KVM via CB-6A Cable
- 9 Product Specifications
 - 9.1 Keyboard / Mouse Specifications
 - 9.2 MAC Keyboard / Mouse Options
 - 9.3 How to Use "MAC" Keyboard
 - 9.4 SUN Keyboard / Mouse Options
 - 9.5 How to Use "S" Keyboard
 - 9.6 On-screen Display Operation (OSD)
 - 9.7 Options: 3G / HD / SD-SDI Input
 - 9.8 Options
 - 9.9 Options: DC Power
- 10 KVM Integration
- 11 Documents / Resources
- **12 Related Posts**



CyberView DF117 1U Dual Slide LCD Console Drawer



Legal Information

First English printing, November 2020

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 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.

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.

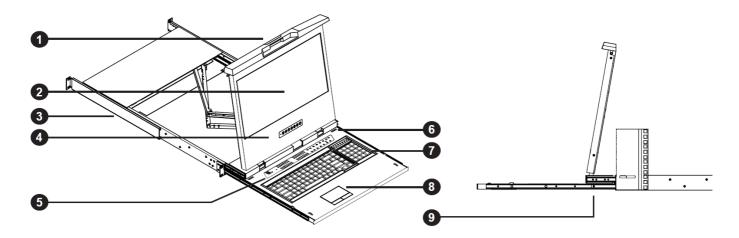
Package Content



- DF117 unit x 1
 - CX-6A 6ft DVI-D console cable x 1 (Alternative : CB-6A 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 & DC power.

Structure Diagram

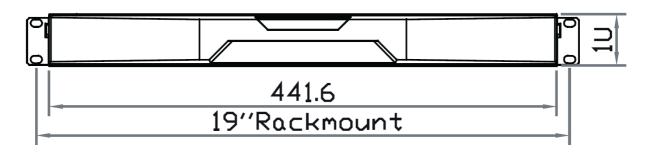


- 1. Carry handle to release the 2-pt lock
- 2. LCD interchangeable module kit
- 3. Installation Slides
- 4. LCD membrane
- 5. Membrane switch (KVM option)
- 6. Audio speaker (for SDI or HDMI option)
- 7. Keyboard interchangeable module kit

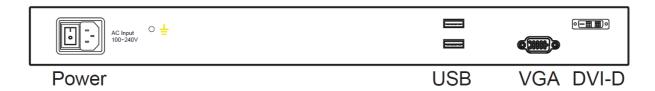
- 8. Touchpad mouse module
- 9. 1U dual slide for LCD console drawer

Dimension

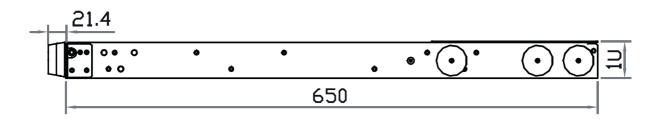
Front View



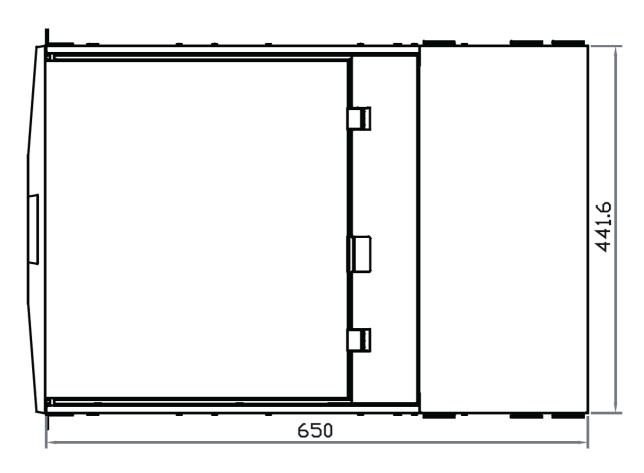
Rear View



Side View



Top View



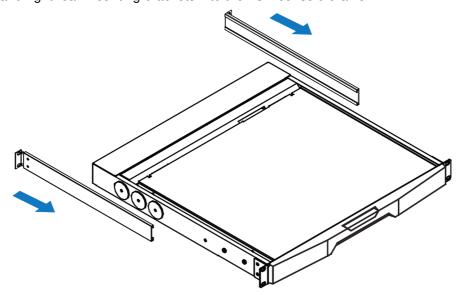
Model	Product Dimension (W x D x H)	Packing Dimension (W x D x H)	Net Weight	Gross Wei ght
DF117	441.6 x 650 x 44 mm	595 x 860 x 140 mm	11.9 kg	17.9 kg
	17.4 x 25.6 x 1.73 inch	23.4 x 33.9 x 5.5 inch	26.2 lb	39.4 lb

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

Installation - How to Install

• Step 1:

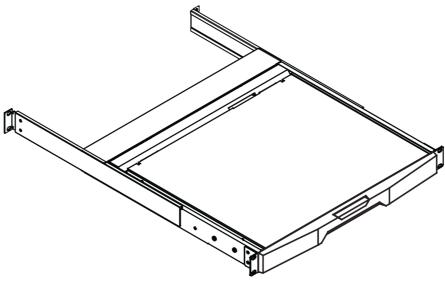
• Insert the left and right rear mounting brackets into the LCD console drawer.



• Step 2:

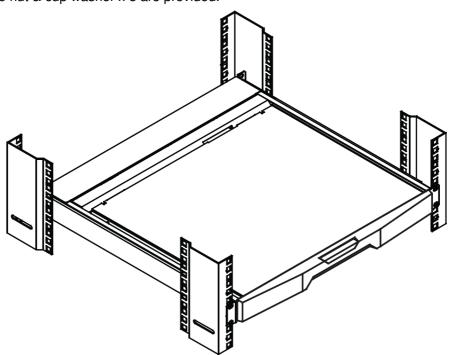
Measure the depth of the front and rear mounting rails.

• 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.



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.

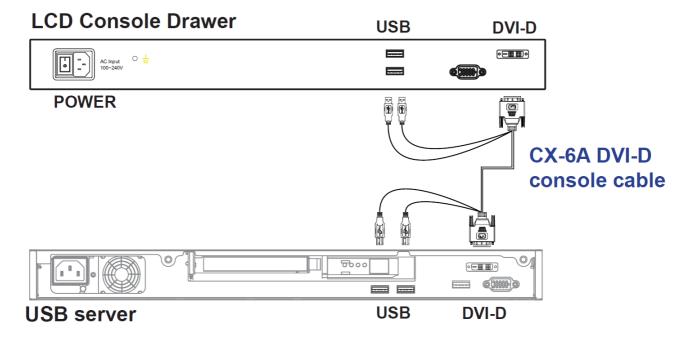


• Press the handle button and gently push back the drawer into the rack.

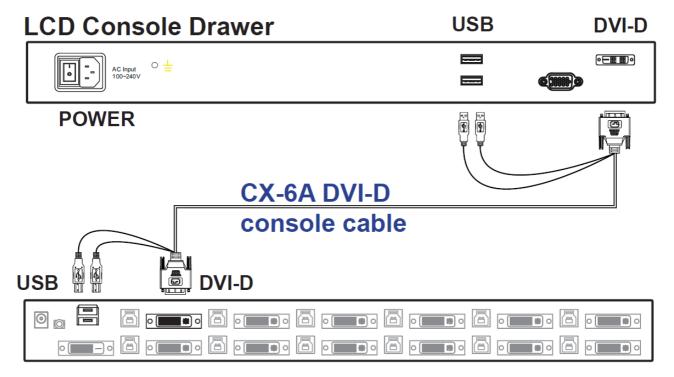


• Return the LCD console drawer to park position.

Connection to USB Server via CX-6A Cable



Connection to External KVM via CX-6A Cable

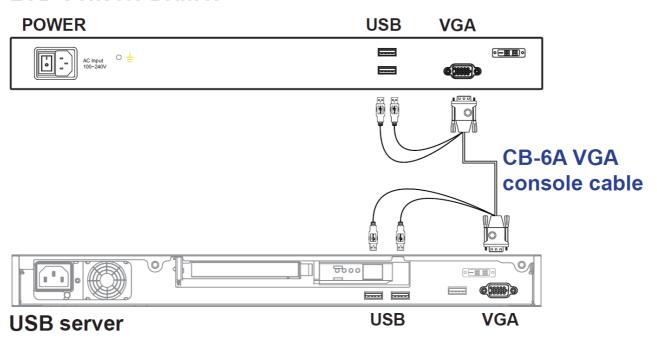


DVI console KVM

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.

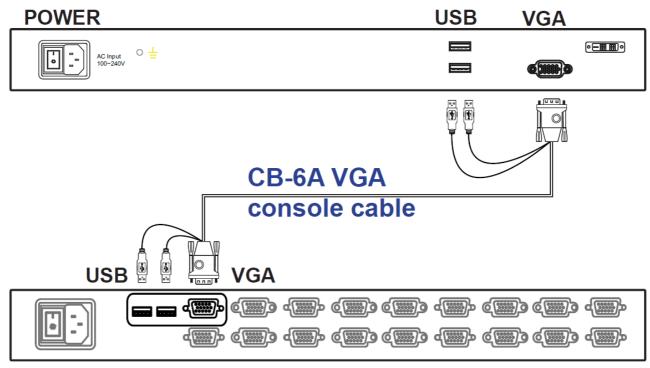
Connection to USB Server via CB-6A Cable

LCD Console Drawer



Connection to External KVM via CB-6A Cable

LCD Console Drawer



VGA 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 oï→€ 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.

Product Specifications

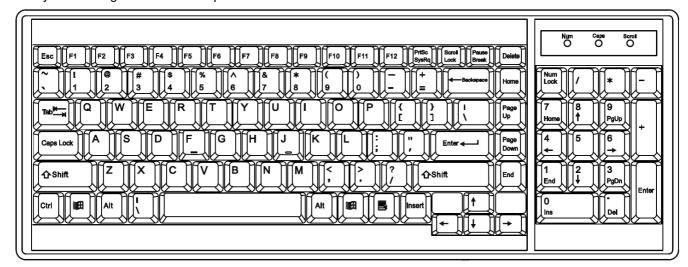
Display pixel (dots x lines)		
Diopia, pixel (doto x inioo)	1920 x 1080	
Brightness (typ.)	300	
Contrast Ratio (typ.)	1000:1	
Color	16.7 M, 8-bit	
Viewing Angle (L/R/U/D)	80/80/60/80	
Response Time (ms)	5.5	
Dot pitch (mm)	0.1989	
Display Area (mm)	381.888H x 214.812V	
Surface treatment	Anti-glare, Hard-coating	
Surface hardness	3H	
Backlight Type	LED	
MTBF (hrs)	15,000	
	Contrast Ratio (typ.) Color Viewing Angle (L/R/U/D) Response Time (ms) Dot pitch (mm) Display Area (mm) Surface treatment Surface hardness Backlight Type	

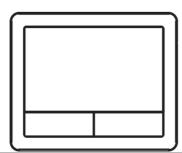
	Digital	HDMI	HDMI 1.4, HDCP 1.4	
	Digital	DVI	DVI-D, TMDS single link	
		VGA	Analog 0.7Vp-p	
Video Connectivity	Analog	Display Port	DP 1.0 / HDCP 1.3	
		Composite (BNC)	NTSC & PAL	
	Plug & Play	DVI / VGA	VESA EDID structure 1.3	
	Synchronization	VGA	Separate, Composite & SOG	
	Power Supply	Range	Auto-sensing 100 to 240VAC, 50 / 60Hz	
		Screen ON	Max. 14W	
Power	Power Consumption for Sin gle Console	Power saving mod e	Max. 2W	
		Power button OFF	Max. 1W	
	Power Consumption with K	Screen ON	Max. 45W	
	VM integration	Power saving mod e	Max. 34W	
	Safety	FC	CC & CE certified	
Regulatory	Environmental	RoHS3	& REACH compliant	
		Temperature	0 to 55°C degree	
	Operating	Humidity	20~90%, non-condensing	
		Altitude	16,000 ft	
Environmental Conditi		TemperC	C degree	
ons		Humidity	5~90%, non-condensing	
	Storage / Non-operating	Altitude	40,000 ft	
		Shock	10G acceleration (11ms duratio n)	
		Vibration	10~300Hz 0.5G RMS random	
	Product (W x D x H)	441.6 x 650 x 44 mi 17.4 x 25.6 x 1.73 ir		
Physical Specification	Packing (W x D x H)		5 x 860 x 140 mm 4 x 33.9 x 5.5 inch	
	Net Weight	1	1.9 kg / 26.2 lb	
	Gross Weight	1	7.9 kg / 39.4 lb	
			1920 x 1080 x 60Hz	

T.	I	I	
			1680 x 1050 x 60Hz
			1440 x 900 x 60Hz
			1360 x 768 x 60Hz
	DVI-D / VGA Input		1280 x 1024 x 60Hz
		PC Signal	1280 x 768 x 60Hz
			1280 x 720 x 60Hz
			1152 x 864 x 60Hz
			1024 x 768 x 60Hz
			800 x 600 x 60Hz
			640 x 480 x 60Hz
Applicable Format		Audio Signal	2ch Linear PCM
		PC Signal	Same as VGA
	HDMI Input		1920 x 1080 x 50 / 60Hz (1080p)
		HDMI 1.4	1920 x 1080 x 25 / 30Hz (1080i)
		TIDWI 1.4	1280 x 720 x 50 / 60Hz (720p)
			720 x 480 x 50 / 60Hz (576p / 4 80p)
		Audio Signal	2ch Linear PCM
			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
	Display port Input	PC Signal	1280 x 768 x 60Hz
	Display port Iliput		1280 x 720 x 60Hz
			1152 x 864 x 60Hz
			1024 x 768 x 60Hz
			800 x 600 x 60Hz
			640 x 480 x 60Hz
		Audio Signal	2ch Linear PCM
L	1		

^{*} In some circumstances, if the user connects the LCD to PC via HDMI port or 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 fi x the issue.

• G keyboard integrated with touchpad





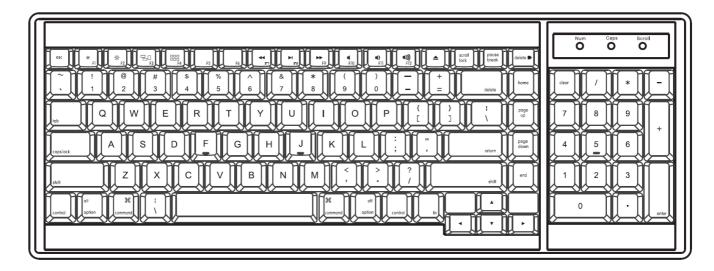
Key force	55 ± 5g
Travelling distance	3 ± 0.3mm
Switch life	> 10 million life cycle time
OS support	Windows / Linux / Unix / Mac OS

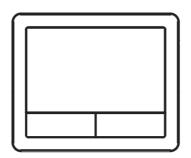
Supporting Layouts

- America
 - United States
- EMEA
 - United Kingdom
 - Germany
 - France
 - Spain
 - Italy
- Asia
 - Japan
 - Korea

MAC Keyboard / Mouse Options

• MAC keyboard integrated with touchpad





Supporting Layouts

- America
 - United States

How to Use "MAC" Keyboard

Keyboard Features

• F1

Decrease display brightness

• F2

Increase display brightness

• F3

Mission control

* Only works with OS X Lion default Keyboard Shortcuts.

• F4

Dashboard

• F7

Rewind

• F8

Play / Pause

• F9

Fast-forward

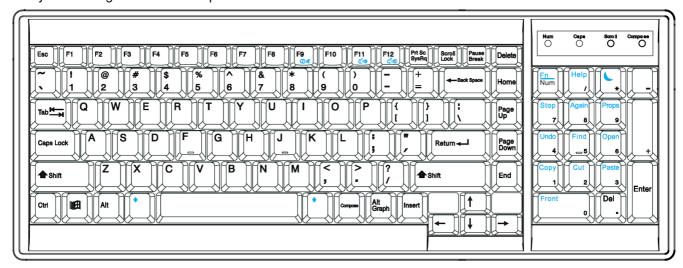
• F10

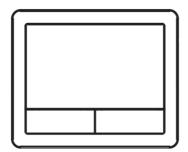
Mute sound

- F11
 - Decrease volume
- F12
 - Increase volume
- · Eject disc
- Command

SUN Keyboard / Mouse Options

• S keyboard integrated with touchpad





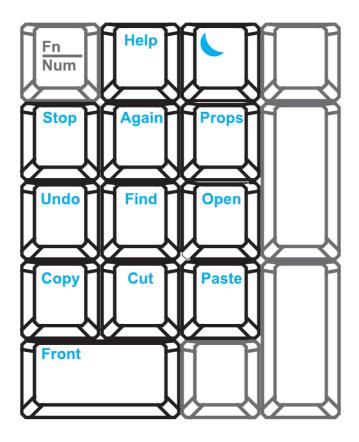
S keyboard integrated with touchpad / trackball

- 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

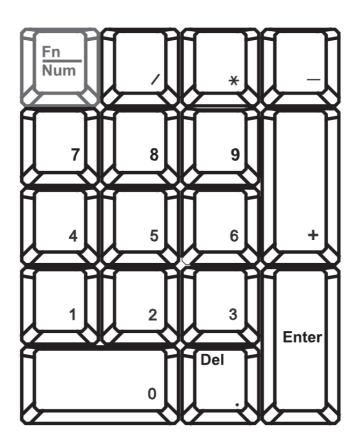
Num LED in Off mode

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

• F9

Audio: Mute Display: Degauss

• F11

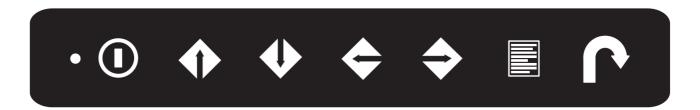
Audio: Decrease volume

Display: Decrease contrast

• F12

Audio : Increase volume
Display : Increase contrast

On-screen Display Operation (OSD)



- 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 (To a uto adjustment by pressing the button for 5 seconds)
	Exit the OSD screen Toggle analog, digital & video connection (DVI-D and video options only)

1. Picture

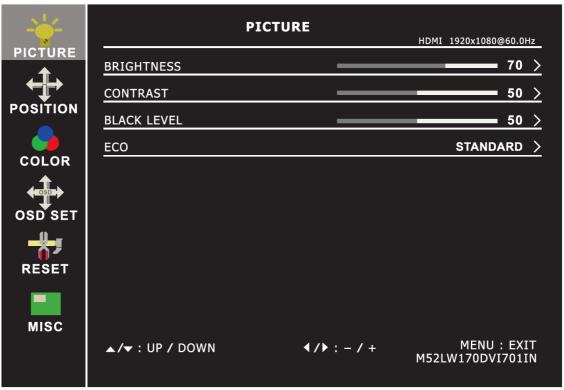
Brightness : Adjust the screen brightness

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



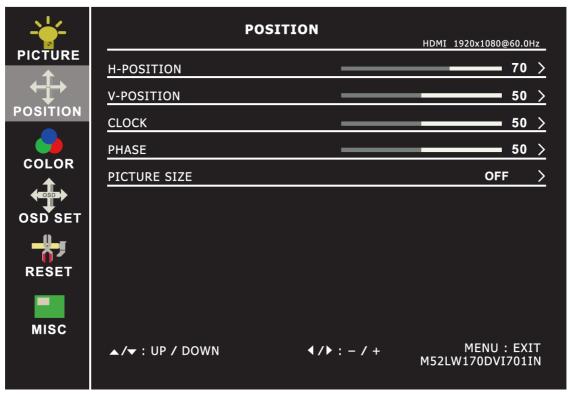
2. Position

H-Position: To adjust the horizontal position of the videoV-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



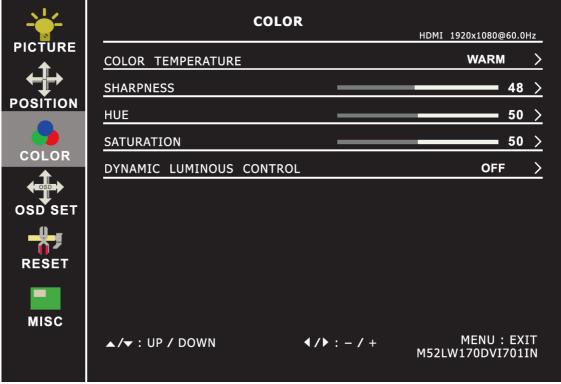
3. Color

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



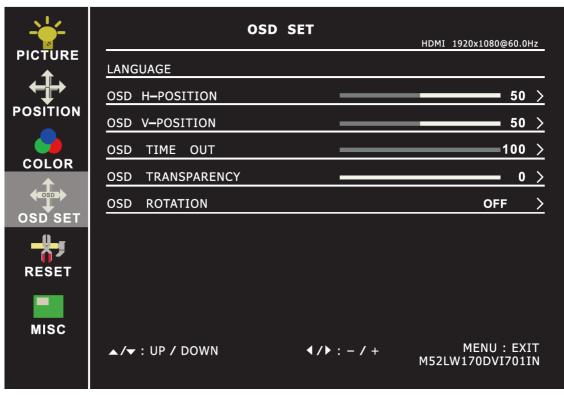
4. OSD Set

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

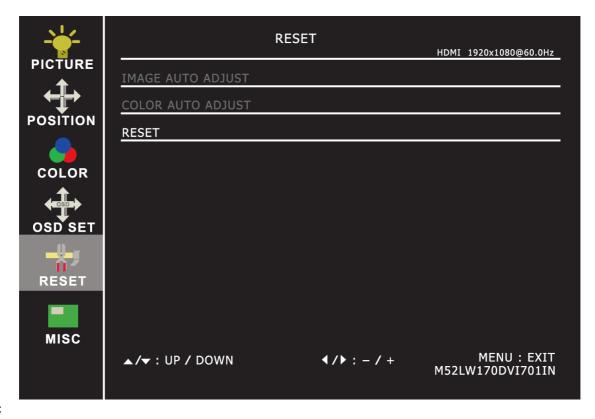
OSD time out: Adjust the screen timeout

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



5. Reset

Reset: Return the adjustment back to factory setting



6. MISC

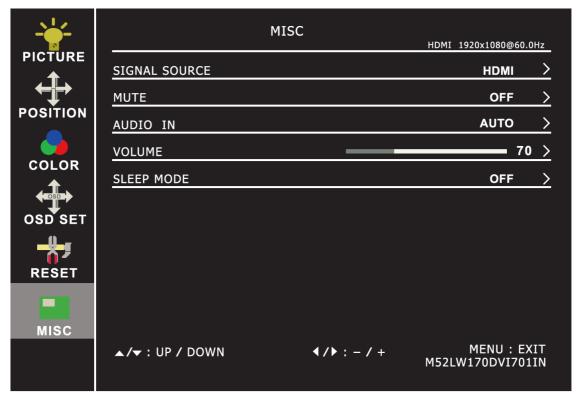
Signal source: Select the signal source – DP / HDMI1 / HDMI2

Mute: Turn off the surrounding sound

Audio in: Auto / Line in / DP

Volume: Adjust the volume of sound

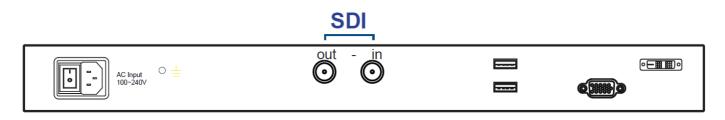
Sleep mode: Set the off time - 10 min / 20 min / 30 min / 50 min / 60 min / 120 min / 240 min



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.

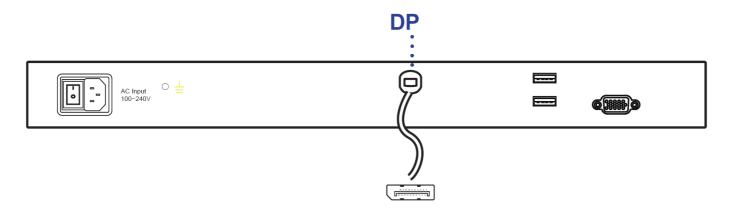


INPUT	3G-SDI IN	В	NC x 1 / 0.8Vp-p (75 ohm)	
INFOI	3G-SDI OUT	BNC x 1 / A	Active through, equalized & relocked	
Standard Compliance	Video	SMPT	E 425M / 274M / 296M / 125M ITU-R BT.656	
	Audio		SMPTE 299M / 272M-C	
	3G-SDI	1080p	@60 / 50Hz, 4:2:2	
		1080p	@30 / 25 / 24Hz, 4:4:4	
		1080i	@60 / 50Hz, 4:4:4	
		720p	@60 / 50Hz, 4:4:4	
Compatible Video Format	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 / 2	20 / 24-bit, 2 CH, Synchronized Video	
Compatible Audio Format	HD-SDI	48kHz, 16 / 2	20 / 24-bit, 2 CH, Synchronized Video	
•	SD-SDI	48kHz, 16 / 20 / 24-bit, 2 CH, Synchronized / As hronized Video		
	3G-SDI		150m at 2.97Gb/s	
Max. Transmission Distance 75 -ohm coaxial cable	HD-SDI		250m at 1.485Gb/s	
	SD-SDI	480m at 270Mb/s		

Options

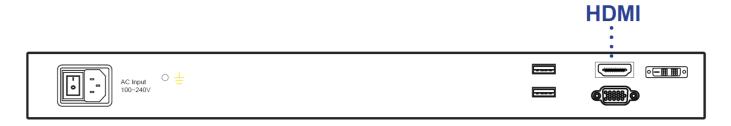
DP Option

• Display Port (DP 1.0, HDCP 1.3)



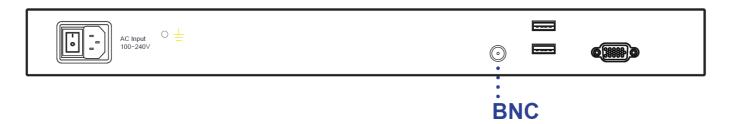
HDMI Option

• HDMI (HDMI 1.4, HDCP 1.4)



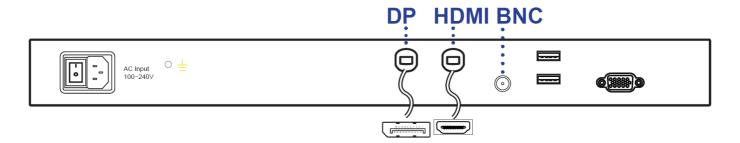
BNC Option

• Composite (BNC)



AV4.4 Option

- Display Port (DP 1.0, HDCP 1.3)
- HDMI (HDMI 1.4, HDCP 1.4)
- Composite (BNC)

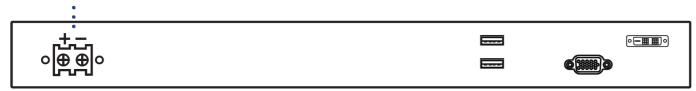


1. In some circumstances, if the user connects the LCD to PC via HDMI port for video and audio signals, the LCD may display incorrectly on a full screen. If so, please adjust the display card setting on display size to fi x the issue.

Options: DC Power

Model	12V	24V	48V	125V
Input rating Input voltage: Input range:Input curre nt - No load - Full load	12-Volt 9 ~ 18V 50 mA 4950 mA	24-Volt 18 ~ 36V50 mA 2450 mA	48-Volt 36 ~ 75V50 mA 1220 mA	110-Volt 66 ~ 160V 35 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.

KVM Integration

www.austin-hughes.com/support/usermanual/cyberview/UM-CV-2KKVM-KIT.pdf

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

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

DVI-D KVM	Local	Remote	IP	12-port	_	_
SVI S KVIII	1	0	0	-1201D	_	_

	Local	Remote	IP	8-port	16-port	32-port
	1	1	1	-	-MUIP1613	-MUIP3213
Cat6 Matrix KVM	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

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

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

DB-15 Matrix 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

DB-15 Combo 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	_

Model	Product Dimension (W x D x H)	Packing Dimension (W x D x H)	Net Weight	Gross Weigh t
DF117 with KVM	441.6 x 650 x 44 mm	595 x 860 x 140 mm	12.9 kg	18.9 kg
	17.4 x 25.6 x 1.73"	23.4 x 33.9 x 5.5"	28.4 lb	41.6 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.

All brand names, logo and registered trademarks are properties of their respective owners. Copyright 2021 Austin Hughes Electronics Ltd. All rights reserved.

www.austin-hughes.com

Documents / Resources



<u>CyberView DF117 1U Dual Slide LCD Console Drawer</u> [pdf] User Manual DF117, 1U Dual Slide LCD Console Drawer

Manuals+,