

User Manual 19" Widescreen LCD 1440 x 900



Designed and manufactured by Austin Hughes

Legal Information

First English printing, December, 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, 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.
 - $\hfill\square$ Repair or attempted repair by anyone not authorized by us.
 - □ Any damage of the product due to shipment.
 - $\hfill\square$ Removal or installation of the product.
 - $\hfill\square$ Causes external to the product, such as electric power fluctuation or failure.
 - $\hfill\square$ Use of supplies or parts not meeting our specifications.
 - \Box Normal wear and tear.
 - \Box 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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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

A 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 > W119 < 1.1 > Package Content



W119 unit X 1

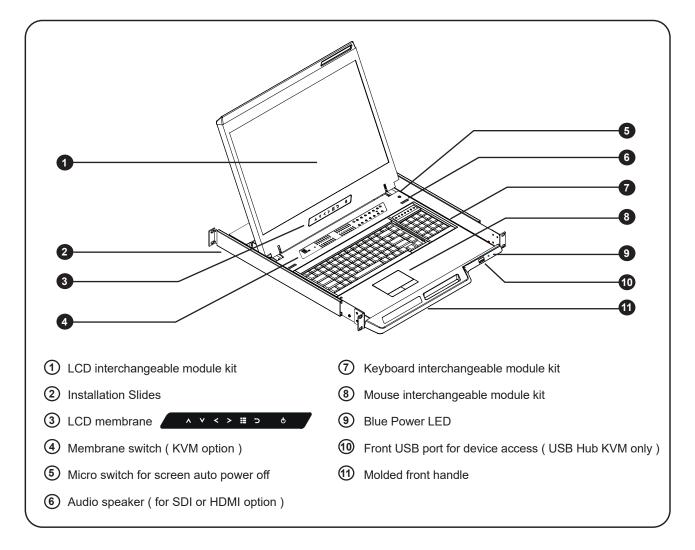
- CX-6A 6ft DVI-D console cable X 1
- (Alternative : CB-6A 6ft VGA console cable)
- Power cord X1
- M6 screw, cage nut & cup washer X8



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

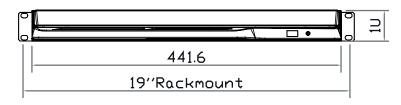
W119

< 1.2 > Structure Diagram

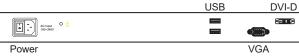


< 1.2 > Dimension

Front View

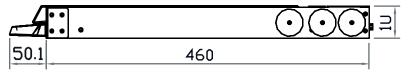


Rear View

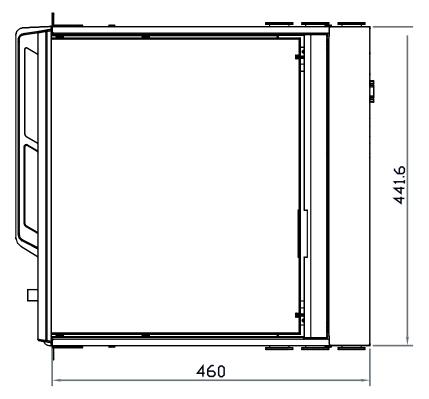


UNIT : mm 1mm = 0.03937 inch

Side View



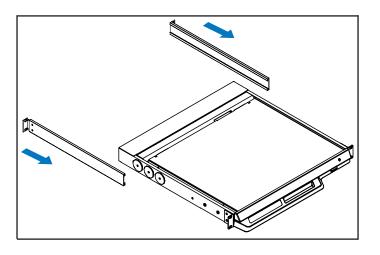




Model Product Dimension		Packing Dimension	Net Weight	Gross
(W x D x H)		(W x D x H)		Weight
W119 series 441.6 x 460 x 44 mm		590 x 808 x 140 mm	11.5 kg	16 kg
17.4 x 18.1 x 1.73 inch		23.2 x 31.8 x 5.5 inch	25.3 lb	35.2 lb

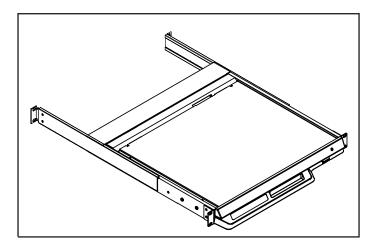
The weight is only for the single console models. It varies with accessories & options such as KVM, SDI, HDMI, AV & DC power.

< 1.3 > Installation - Installation Slides



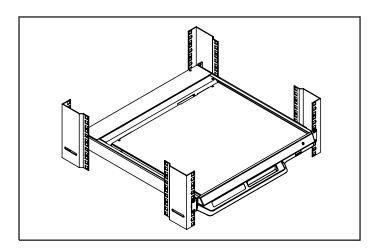


Insert the left and right rear mounting brackets into the LCD console drawer.





- 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 display drawer into the rack.



< 1.3 > Installation- How to use the drawer



Hold the handle and slide out the drawer.



■ Flip up the LCD to a suitable angle.

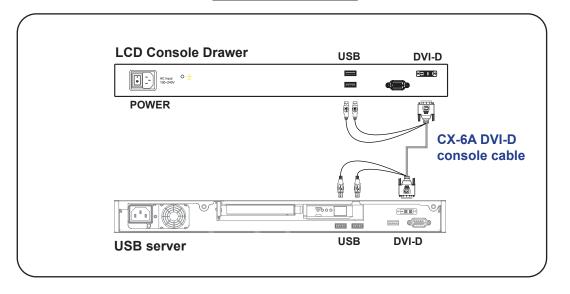


• Operate the LCD console drawer.

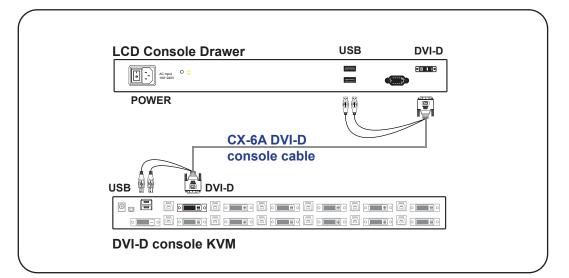
< 1.4 > Connection to USB Server

via CX-6A cable

W119

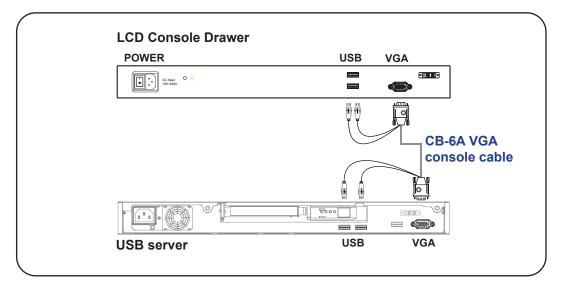


< 1.4 > Connection to external KVM via CX-6A cable

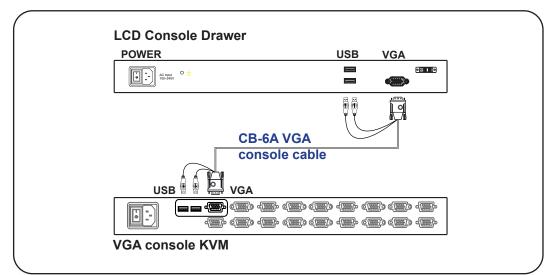


Caution : The LCD console drawer is hot-pluggable, but components of connected devices, such as the servers and KVM switch, may not be hot-pluggable. Plugging and unplugging cables while servers and KVM are powered on may cause irreversible damage to the servers, KVM and LCD console drawer. Before attempting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

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



< 1.4 > Connection to external KVM via CB-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.

< Part 2 > Specifications / OSD

< 2.1 > Product Specifications

LCD	Panel Size (diagonal)	19-inch Widescreen TFT color LCD
Panel	Display pixel(dots x lines)	1440 x 900
	Brightness (typ.)	250
	Contrast Ratio (typ.)	1000:1
	Color	16.7 M
	Viewing Angle(L/R/U/D)	85/85/80/80
	Response Time (ms)	5
	Dot pitch (mm)	0.2835
	Display Area(mm)	408.24H x 255.15V
	Surface treatment	Anti-glare
	Surface hardness	3Н
	Backlight Type	LED
	MTBF(hrs)	30,000

Video Connectivity	Digital	HDMI DVI	HDMI 1.2 / HDCP 1.1 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,
	Power Consumption	Screen ON	50 / 60Hz Max. 20W
	for Single Console	Power saving mode	Max. 2W
	Power Consumption	Power button OFF	Max. 1W
		Screen ON	Max. 55W
	with KVM integration	Power saving mode	Max. 34W

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

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

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Environmental	Operating	Temperature	0 to 55°C degree
Conditions		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	10~300Hz 0.5G RMS random

Physical Specification	Product (W x D x H)	441.6 x 460 x 44 mm
		17.4 x 18.1 x 1.73 inch
	Packing (W x D x H)	590 x 808 x 140 mm
		23.2 x 31.8 x 5.5 inch
	Net Weight	11.5 kg / 25.3 lb
	Gross Weight	16 kg / 35.2 lb

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

Applicable Format	DVI-D / VGA Input	PC Signal	1440 x 900 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 350 x 70Hz
	HDMI Input	PC Signal Video Signal	Same as VGA 720p : 50 / 60Hz 480p : 60Hz 576p : 50Hz
		Audio Signal Speaker	2ch Linear PCM (32 / 44.1 / 48 KHz) Dual Stereo Speaker, 2 x 2W

< 2.2 > Keyboard / Mouse Specifications



G keyboard integrated with touchpad

	10~ 001 008 00# 00# 00% 00% 00% 00# 00(00) 00= 00+ 00. 00 010%=00, 00. 00 01
	╎ <u>╞╾┈╬╴╬╴╬╶╫╶╫╶╫╶╫╶╫╶╫╶╫╶╫╶╫</u> ╵╢
Cer MB Art ⁺ [−] [−] [−]	
│ <u>┟┈╫┉╫┈╫╴╫</u> ┝ <u>┉╶╫┉╫╸╫┈╟</u> ┿ <u>╫</u> ┼╢┝ <u>┉╶╫┉╢┉</u> ┨│	



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



< 2.3 > On-screen Display Operation (OSD)

Image: Turn the monitor on or off Image: Display the OSD menu Act as an Enter key to select screen setting options Image: Comparison of the temperature option Image: Comparison option optic option optic optic optic option option option optic optic option	Membrane Switch	Function
Act as an Enter key to select screen setting options Act as an Enter key to select screen setting options Scroll through menu options and adjust	Ċ	Turn the monitor on or off
	${\Bbb A}{\Bbb V}{\Bbb A}{\Bbb A}$	
Exit the OSD screen Go back to the previous on-screen sub-menu or main menu	Ì	Go back to the previous on-screen sub-menu or

< 2.3 > On-screen Display Operation (OSD)

1 Picture

Brightness : Adjust the screen brightness

Contrast	: Adjust the difference between the image backgrour	
	(black level) and the foreground (white level)	
Black level	: Adjust background black level of the screen	

- Full Screen / 4:3 / 5:4 / Pixel to Pixel

Eco : Screen in power saving mode

PICTURE DP 3840x2160@60.0Hz PICTURE BRIGHTNESS **70** > CONTRAST 50 > BLACK LEVEL <u>50 ></u> COLOR STANDARD > ECO OSD SET RESET PIP MENU: EXIT M91KW430STD701LG ▲/▼: UP/DOWN <// >: -/+ мізс

	P	OSITION	DP 3840x2160@60.0Hz
PICTURE	PICTURE SIZE		FULL SCREEN >
	DP VERSION		DP 1.2 >
COLOR			
OSD SET			
RESET			
PIP			
MISC	▲/▼: UP/DOWN	∢/ ▶: −/+	MENU:EXIT M91KW430STD701LG

3 Color

2

Position

Picture size : Adjust the image size

DP version : Select the DP version

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 Iuminous control	: Control the dynamic brightness

COLOR DP 3840x2160@60.0Hz PICTURE USER COLOR TEMPERATURE >**↓↓** SHARPNESS **50** > POSITION 50 > HUE COLOR 50 > SATURATION DYNAMIC LUMINOUS CONTROL OFF OSD SET RESET PIP MENU: EXIT M91KW430STD701LG ▲/▼: UP/DOWN **4/**▶: **-**/+ -MISC

(4) OSD Set

Language	: Select the language in which the OSD menu is displayed - English
OSD H-Position	: Align the screen image left or right
OSD V-Position	: Align the screen image up or down
OSD time out	: Adjust the screen timeout
OSD transparency	: Adjust the screen transparency
OSD size	: Adjust the screen size - Normal / Small
OSD rotation	: Rotate the screen - 90° / 180° / 270°

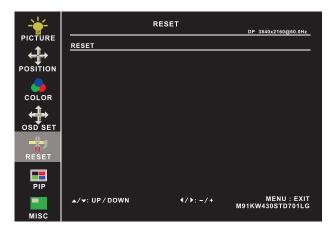
	OSD	SET	DP 3840x2160@60.0Hz
	LANGUAGE		
←	OSD H-POSITION		50 >
POSITION	OSD V-POSITION		50 >
COLOR	OSD TIME OUT		60 >
. 🕇 .	OSD TRANSPARENCY		0 >
	OSD SIZE		NORMAL >
	OSD ROTATION		OFF >
RESET			
PIP			
MISC	▲/▼: UP/DOWN	∢/ ▶: -/+	MENU:EXIT M91KW430STD701LG

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< 2.3 > On-screen Display Operation (OSD)

(5) Reset

Reset : Return the adjustment back to factory setting



6 PIP (Not Applicable to F17 / MF17)

PIP mode	: Enter into PIP / PBP setting - PIP MODE / PBP 2WIN (Main screen + 1 sub screen) / PBP 3WIN (Main screen + 2 sub screen) / PBP 4WIN (Main screen + 3 sub screen) Select the signal input of each sub screen
PIP size	: Adjust the size of the Sub screen - Small / Medium / Large / Huge
PIP position	: Adjust the position of the Sub screen - Top Left / Top Right / Bottom Left / Bottom Right
Swap	: Swap the input signal of PIP / PBP sub screen

		PIP	DP 3840x2160@60.	0Hz
PICTURE	PIP MODE		PIP MODE	>
←₽	WINDOW2 INPUT		HDMI2	>
POSITION	WINDOW3 INPUT		HDMI1	
	WINDOW4 INPUT		DP	>
COLOR	PIP SIZE		MEDIUM	>
***	PIP POSITION		TOP LEFT	>
OSD SET	SWAP			
RESET				
PIP				
MISC	▲/▼: UP/DOWN	∢/ ▶: -/+	MENU:E M91KW430STD701	

⑦ MISC

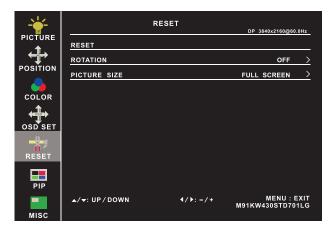
Signal source : Select the signal source - DP / HDMI1 / HDMI2		
Mute	: Turn off the surrounding sound	
Audio in	: Auto / Line in / DP	
Volume	: Adjust the volume of sound	
Sleep mode	: Set the off time - 10 min / 20 min / 30 min / 50 min / 60 min / 120 min / 240 min	

		MISC	DP 3840x2160@60.0Hz
PICTURE	SIGNAL SOURCE		DP >
←ţ→	MUTE		0FF >
POSITION	AUDIO IN		AUTO >
	VOLUME	_	<u> </u>
	SLEEP MODE		OFF >
OSD SET			
RESET			
PIP			
MISC	▲/▼: UP/DOWN	∢/ ▶: -/+	MENU:EXIT M91KW430STD701LG

Options on Reset page

Rotation	: Rotate the image in Full screen or 1:1
	- 90° / 180° / 270°

Picture size : Adjust the image size in Full screen or 1:1



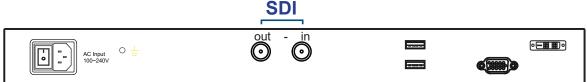
< Part 3 > Options < 3.1 > 3G / HD / SD-SDI input



Austin Hughes' SDI input is an ideal solution for the broadcastgrade 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.



*** For ${\rm SDI}$ option, chassis extension in depth to ${\rm 530mm}$ (${\rm 20.9"}$)

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 / Asyn-
		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

< 3.2 > Options :

- HDMI (HDMI 1.2 / HDCP 1.1)
- AV (S-Video + Composite, BNC)
 - (1) For HDMI option, DVI-D input will be removed.
 - (2) 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.
 - (3) HDMI

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W119 chassis extension in depth to 480mm (18.9")

S-Video & Composite

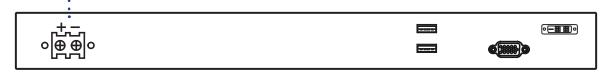
W119 chassis extension in depth to 530mm (20.9")

	S-Video & BNC :	HDMI
AC input 100-240V		

< 3.3 > 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) W119 chassis extension in depth to 530mm (20.9")

< Part 4 > KVM Integration

< 4.1 > W119

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

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

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

Cat6	Local	Remote	IP	8-port	16-port	32-port
Combo	1	0	1	-UIP802	-UIP1602	-UIP3202
KVM	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	 Local	Remote	IP	8-port	16-port	32-port
Matrix	1	1	Т	-MIP813	-MIP1613	-
KVM	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

	Local 1	Remote 0	 1	8-port -IP802	16-port -IP1602	32-port -
KVM	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	Local 1	Remote 0	_ 	8-port -IP802H	16-port -IP1602H	32-port -
KVM	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
W119 with KVM	441.6 x 580 x 44 mm	590 x 808 x 140 mm	12.5 kg	18.1 kg
	17.4 x 22.8 x 1.73 inch	23.2 x 31.8 x 5.5 inch	28 lb	39.8 lb

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