UltraView dedicated professional display solutions

User Manual 19" FHD LED-backlit LCD





















Designed and manufactured by Austin Hughes

Legal Information

First English printing, August 2024

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 labelled 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:

	\mathbf{S}^{\prime}
	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 A digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in business, industrial and commercial environments.

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



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

< 1.1 > Package Content

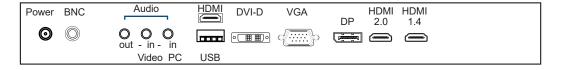
AP-F19 / NAP-F19 HAP-F19 / HNAP-F19



19" FHD LCD display X 1
6ft VGA cable X 1
Power adapter X 1
Power cord X 1

Mounting hardware X 1 pack

- Mounting bracket x 4 pcs
- M4* 6mm screw x 8 pcs
- M4* 50mm screw x 8 pcs



Options:

Basic I/O : HDMI + VGA

Speaker : HDMI + VGA + Speaker

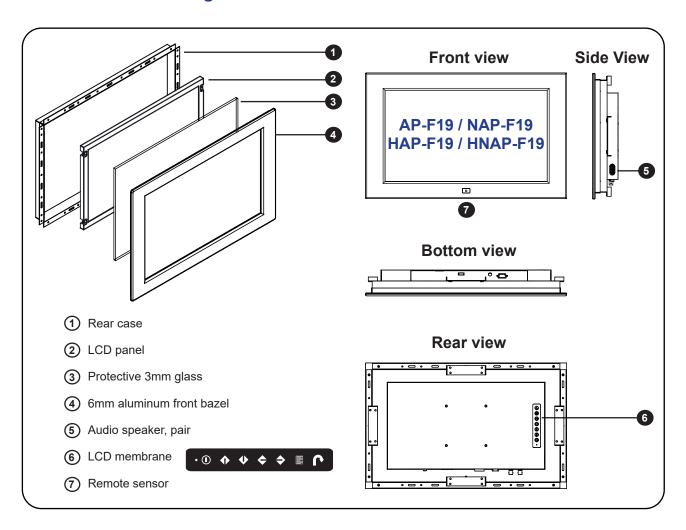
BNC : HDMI + VGA + BNC + Audio input + Speaker

DVI-D : HDMI + VGA + DVI-D + Audio input & output + Speaker

DP : DP-1.0 + HDMI-2.0 + HDMI-1.4 + VGA + Audio input & output + Speaker

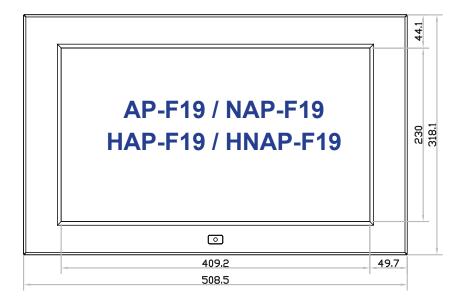
Options : SDI, MCS, USB for touchscreen & DC power

< 1.2 > Structure Diagram

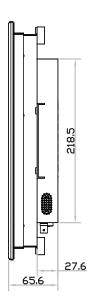


Model	Product Dimension (W x D x H)	Packing Dimension (W x D x H)	Net Weight	Gross Weight
AP-F19				
NAP-F19	508.5 x 65.6 x 318.1 mm	662 x 115 x 533 mm	7 kg	10 kg
HAP-F19	20 x 2.6 x 12.5 inch	26.1 x 4.5 x 21 inch	15.4 lb	22 lb
HNAP-F19				

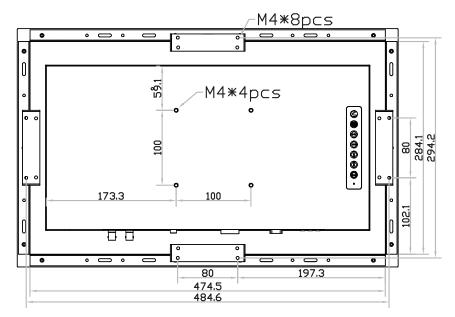
Front View



Side View

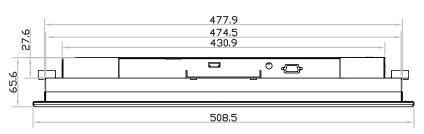


Rear View



UNIT : mm 1mm = 0.03937 inch

Bottom View

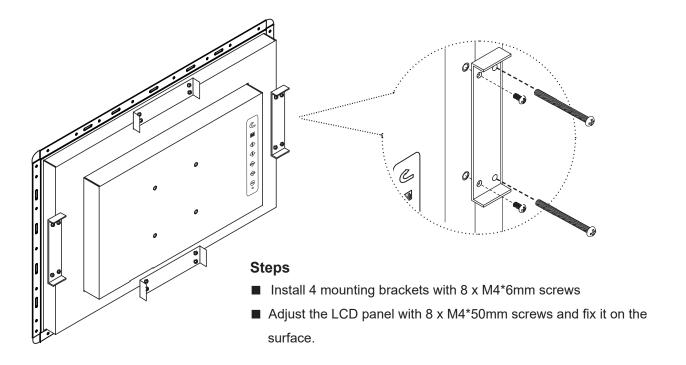


< 1.3 > Installation

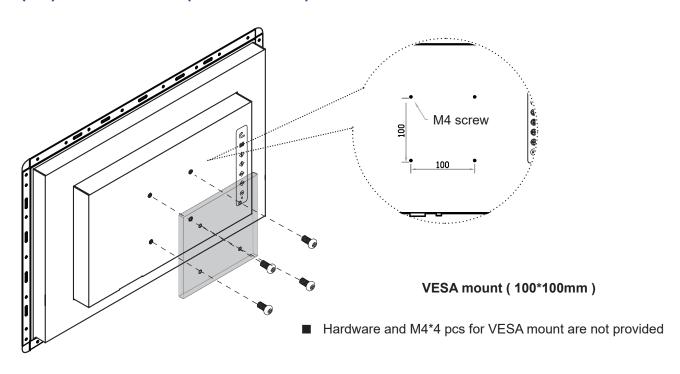
(I) Panel mount



Hardware set part no. UV-BK#2



(II) VESA mount (100*100mm)



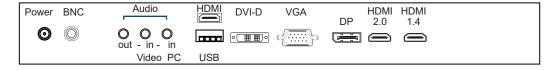
DP-F19 / HDP-F19



19" FHD LCD display X 1
6ft VGA cable X 1
Power adapter X 1
Power cord X 1

Mounting hardware X 1 pack

- Mounting bracket x 4 pcs
- M4* 6mm screw x 8 pcs
- M4* 50mm screw x 8 pcs



Options:

Basic I/O : HDMI + VGA

Speaker : HDMI + VGA + Speaker

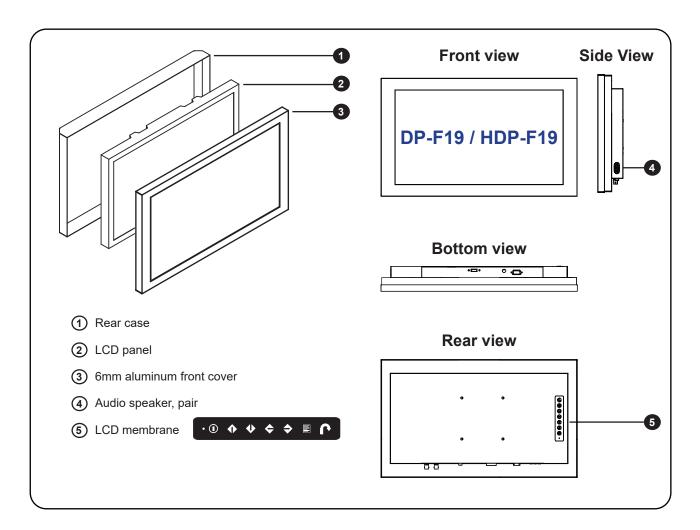
BNC : HDMI + VGA + BNC + Audio input + Speaker

DVI-D : HDMI + VGA + DVI-D + Audio input & output + Speaker

DP : DP-1.0 + HDMI-2.0 + HDMI-1.4 + VGA + Audio input & output + Speaker

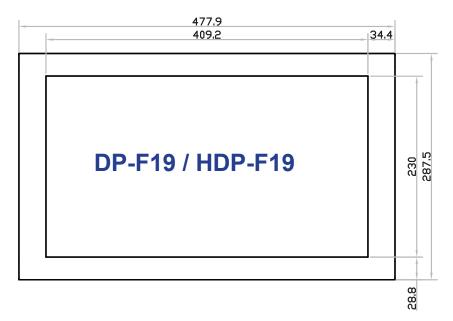
Options : SDI, MCS, USB for touchscreen & DC power

< 2.2 > Structure Diagram

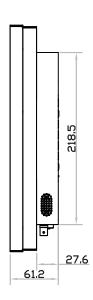


Model	Product Dimension (W x D x H)	Packing Dimension (W x D x H)	Net Weight	Gross Weight
DP-F19	477.9 x 61.2 x 287.5 mm	662 x 115 x 533 mm	6.3 kg	9.2 kg
HDP-F19	18.8 x 2.4 x 11.3 inch	26.1 x 4.5 x 21 inch	13.9 lb	20.2 lb

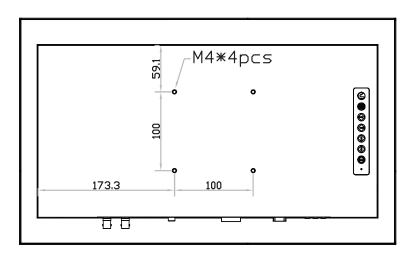
Front View



Side View

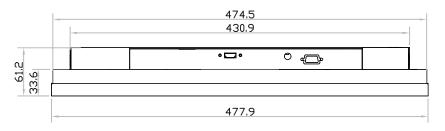


Rear View

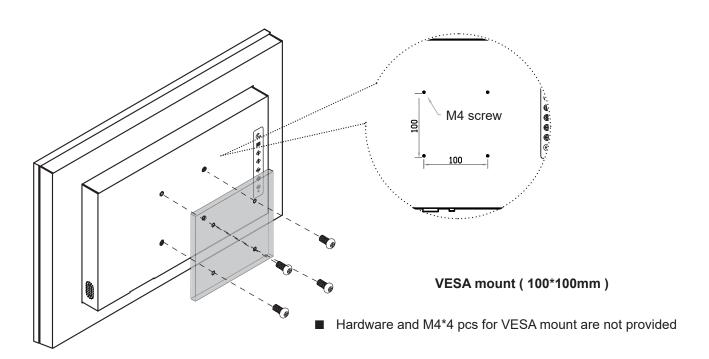


UNIT : mm 1mm = 0.03937 inch

Bottom View



< 2.3 > VESA mount Installation

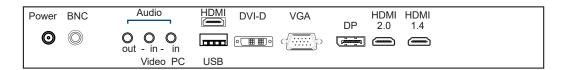


< 3.1 > Package Content

OP-F19 / HOP-F19



19" FHD LCD display X 1
6ft VGA cable X 1
Power adapter X 1
Power cord X 1



Options:

Basic I/O : HDMI + VGA

Speaker : HDMI + VGA + Speaker

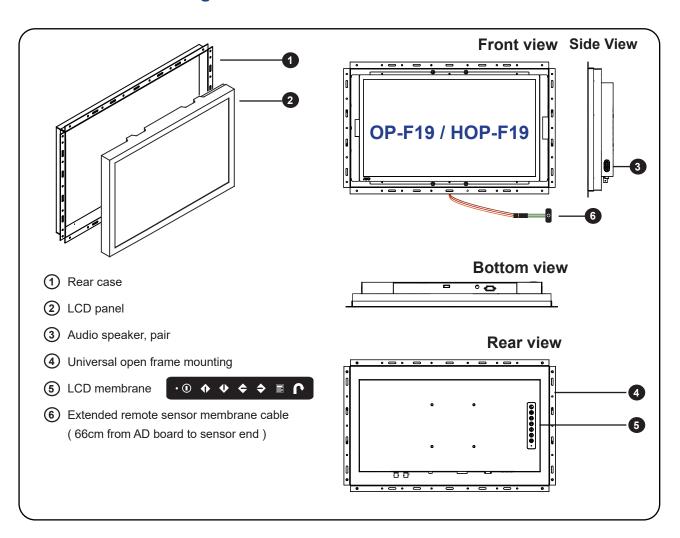
BNC : HDMI + VGA + BNC + Audio input + Speaker

DVI-D : HDMI + VGA + DVI-D + Audio input & output + Speaker

DP : DP-1.0 + HDMI-2.0 + HDMI-1.4 + VGA + Audio input & output + Speaker

Options : SDI, MCS, USB for touchscreen & DC power

< 3.2 > Structure Diagram

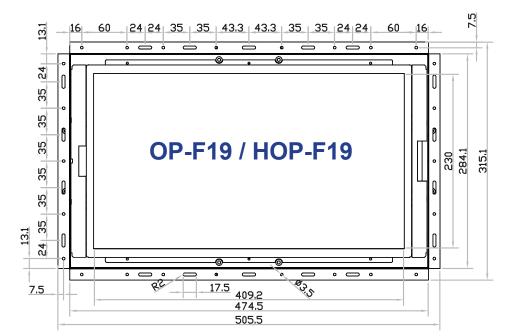


Model	Product Dimension (W x D x H)	Packing Dimension (W x D x H)	Net Weight	Gross Weight
OP-F19	505.5 x 59.6 x 315.1 mm	662 x 115 x 533 mm	5.5 kg	8.4 kg
HOP-F19	19.9 x 2.3 x 12.4 inch	26.1 x 4.5 x 21 inch	12.1 lb	18.5 lb

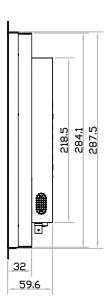
< 3.2 > Dimension

19" FHD Display

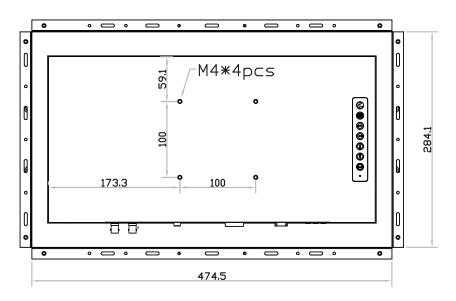
Front View



Side View

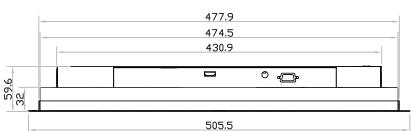


Rear View



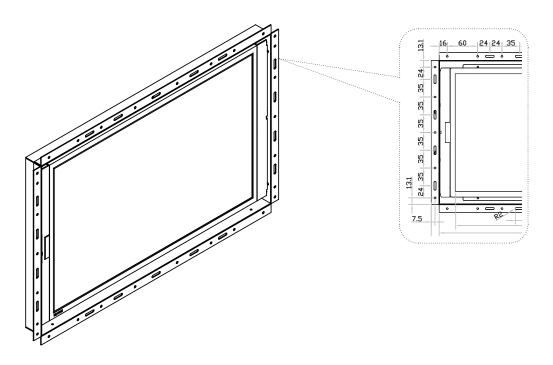
UNIT : mm 1mm = 0.03937 inch

Bottom View

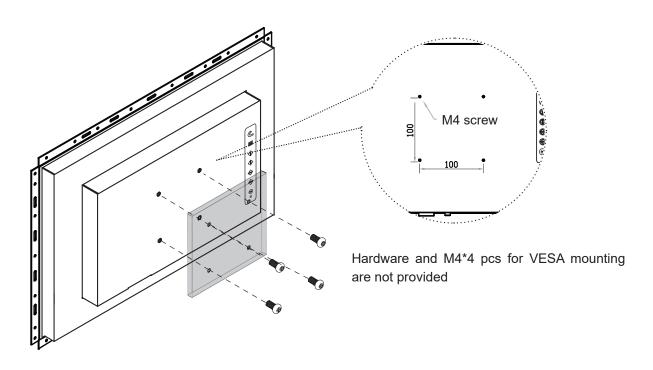


< 3.3 > Installation

(I) Universal mount



(II) VESA mount (100*100mm)



19" FHD Display

Mechanical Design	AP-F19 / HAP-F19	NAP-F19 / HNAP-F19	DP-F19 / HDP-F19	OP-F19 / HOP-F19
Protection	6mm front bezel	NEMA 4 / IP65	front cover	open frame
Front Panel	Black, RAL 9005			-
Rear Casing	Black, RAL 9005			
VESA mount	100 x 100 mm			
Universal mount		-	-	ready
Desktop stnad	opt	tion	option	-
Panel mount	opt	tion	option	-

LED-backlit LCD Panel	Standard	Sunlight Readable	
Brightness (cd/m²)	500	1000∜⊱	
Colors	16.	7 M	
Viewing Angle (L/R/U/D)	85/85/	/85/85	
Response Time (ms)	3	0	
Surface treatment	Anti-glare, Hard-coating		
Contrast Ratio (typ.)	1200 : 1		
Panel Size (diagonal)	18.5"		
Native resolution	1920 x 1080		
Dot pitch (mm)	0.213		
Display Area (mm)	408.96H x 230.04V		
Surface hardness	3H		
Backlight Type	LED		
MTBF (hrs)	50,000		

Video	
VGA	Analog 0.7Vp-p
DVI	DVI-D single link
HDMI	HDMI 2.0 / HDCP 2.2
	HDMI 1.4 / HDCP 1.4
Display port	DP 1.0 / HDCP 1.3
Composite (BNC)	NTSC & PAL

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

^{*}When the audio output is connected, speaker output is OFF

Power	Standard	Sunlight Readable	
Input	Auto-sensing 100 to 240VAC, 50 / 60Hz		
Consumption:			
Screen ON	Max. 12W	Max. 40W	
Power saving mode	Max. 2W	Max. 2W	
Power button OFF	Max. 1W	Max. 1W	

Compliance		
EMC	FCC & CE	
Safety	CE / LVD & UKCA	
Environment	RoHS3 & REACH / WEEE	

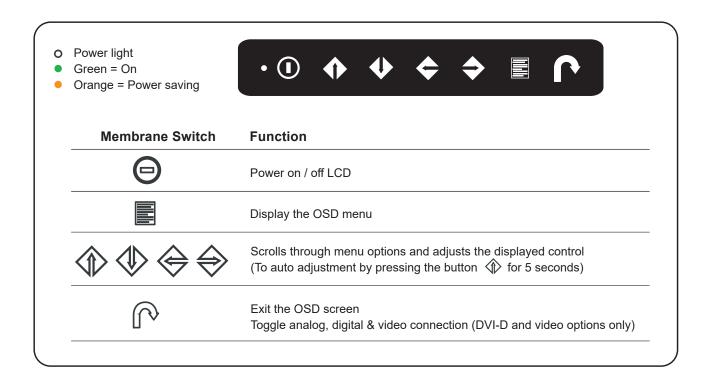
< 4.1 > Product Specifications

Environmental Conditions				
Operating	Temperature	0 to 55°C degree		
	Humidity	10~90%, non-condensing		
	Altitude	16,000 ft		
Storage /	Temperature	-20 to 60°C degree		
Non-operating	Humidity	5~95%, non-condensing		
	Altitude	40,000 ft		
	Shock	10G acceleration (11ms duration)		
	Vibration	10~300Hz 0.5G RMS random vibration		

Physical Specification	AP-F19 / HAP-F19	NAP-F19 / HNAP-F19	DP-F19 / HDP-F19	OP-F19 / HOP-F19
Product (WxDxH) mm	508.5 x 6	5.6 x 318.1	477.9 x 61.2 x 287.5	505 x 59.6 x 315.1
inch	20 x 2.	6 x 12.5	18.8 x 2.4 x 11.3	19.9 x 2.3 x 12.4
Packing (WxDxH) mm	662 x 115 x 533			
inch	26.1 x 4.5 x 21			
Net Weight	7 kg / 15.4 lb	7 kg / 15.4 lb	6.3 kg / 13.9 lb	5.5 kg / 12.1 lb
Gross Weight	10 kg / 22 lb	10 kg / 22 lb	9.2 kg / 20.2 lb	8.4 kg / 18.5 lb
Chassis color	Dark			
Chassis materials	Aluminum			

^{*} 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	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	
		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	
HDMI Input	PC Signal	Same as VGA	
	HDMI 1.4	1920 x 1080 x 50 / 60Hz (1080p)	
		:1920 x 1080 x 25 / 30Hz (1080i)	
		1280 x 720 x 50 / 60Hz (720p)	
		720 x 480 x 50 / 60Hz (576p / 480p)	
	Audio Signal	2ch Linear PCM	
Display port Input	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	
		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	



1 Picture

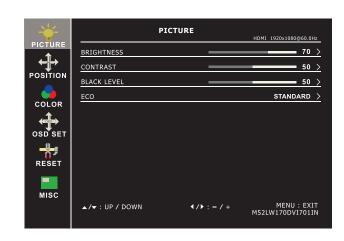
Brightness: Adjust the screen brightness

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

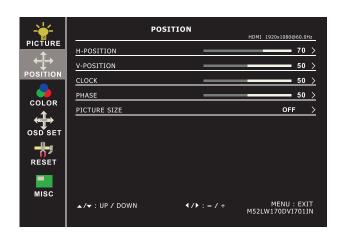


2 Position

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

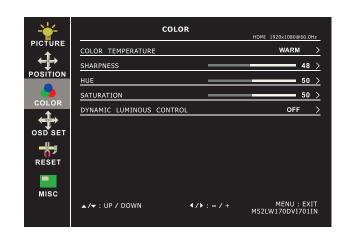
Sharpness : Adjust the image from weak to sharp

Hue : Adjust the screen hue value

Saturation : Adjust the saturation of the image color

Dynamic

luminous control : Control the dynamic brightness



4 OSD Set

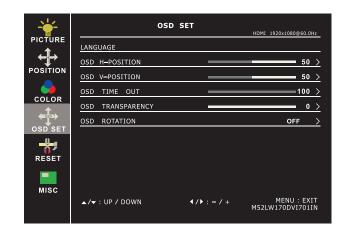
Language : Select the language in which the OSD menu is

displayed - English

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

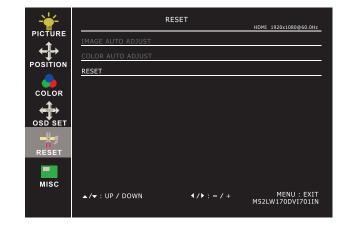
OSD time out : Adjust the screen timeout
OSD transparency : Adjust the screen transparency

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

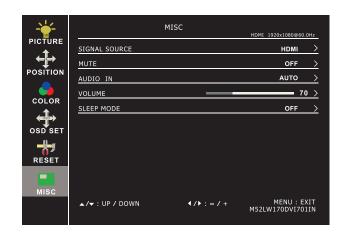
Mute : Turn off the surrounding sound

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



< 5.1 > Option Table

Options	AP / NAP	HAP / HNAP	DP	HDP	OP	НОР
SDI *	/	✓	✓	✓	✓	✓
DVI-D **	√	✓	✓	✓	✓	✓
Composite (BNC) ***	√	✓	✓	✓	✓	✓
Audio	√	✓	✓	✓	✓	✓
Touchscreen	/	✓	✓	✓	✓	✓
MCS multi-display control	/	/	✓	✓	✓	✓
DC Power	/	✓	✓	✓	✓	✓
MIL-type / lockable connector	√	✓	✓	✓	✓	✓
Auto / switch dimming		/		/		√



- * SDI option comes speakers.
- ** For DVI-D option, 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.
- *** SDI, DVI-D & BNC options come with RC-2 remote controller.

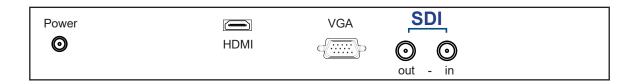
< 5.2 > Options : 3G / HD / SD-SDI input



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

Designed for use with UltraView 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.

* SDI option comes with speakers & RC-2 remote controller.



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

< 5.3 > Options : MCS

MCS

(Multi-display Control)



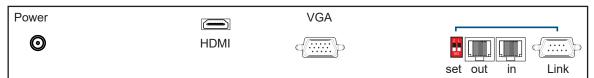
19" FHD Display

More control is always good. Especially when it is necessary and easy. Austin Hughes provides MCS solution to control the **OSD** of various UltraView LCD display up to 64 units.

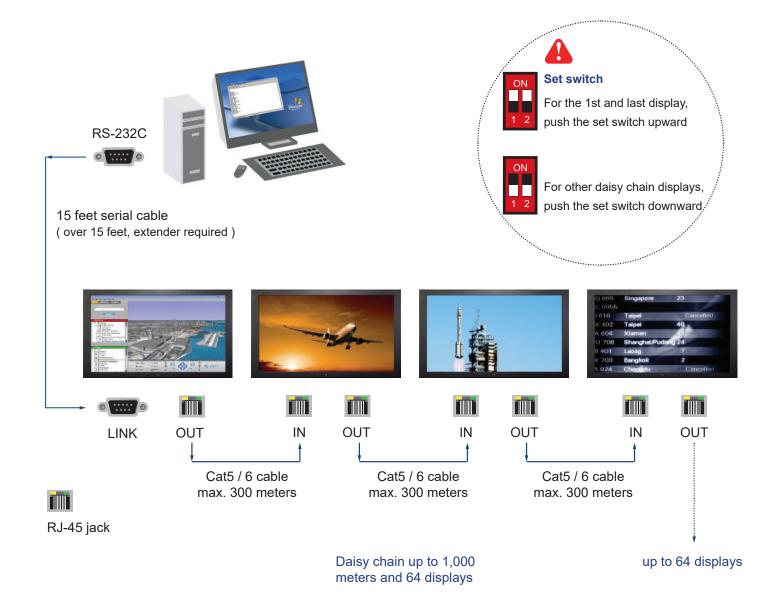
The RS-232C is used for the communication between the PC and the first display via a 15 feet serial cable while the CAN bus is used for the various LCD displays cascade together via CAT 5/6 cable, and daisy chain up to 1,000 meters.

Designed for use with UltraView LCD displays, Austin Hughes provides a MCS input module without using additional space or power and it comes standard with a 2-year warranty.

MCS

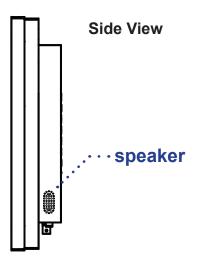


*** Please download the protocol of MCS control at : http://www.austin-hughes.com/support/usermanual/ultraview/UM-UV-MCS.pdf



< 5.4 > Options:

Speaker Option



DP Option

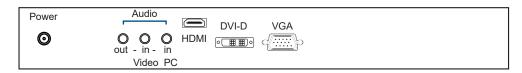
- Display Port (DP 1.0, HDCP 1.3)
 HDMI 2.0 (HDMI 2.0, HDCP 2.2)
 HDMI 1.4 (HDMI 1.4, HDCP 1.4)
 Audio (Audio input & output)
- Speaker



- (1) In some circumstances, if the user connects the LCD to PC via HDMI port for video and audio signals, the LCD may display incorrectly on a full screen. If so, please adjust the display card setting on display size to fix the issue.
- (2) DP options come with RC-2 remote controller x 1 (please refer to P.22 Remote Controller (RC-2))

DVI-D Option

- DVI-D (DVI-D, TMDS single link)
- Audio (Audio input & output)
- Speaker



DVI-D option come with RC-2 remote controller x 1 (please refer to P.22 Remote Controller (RC-2))

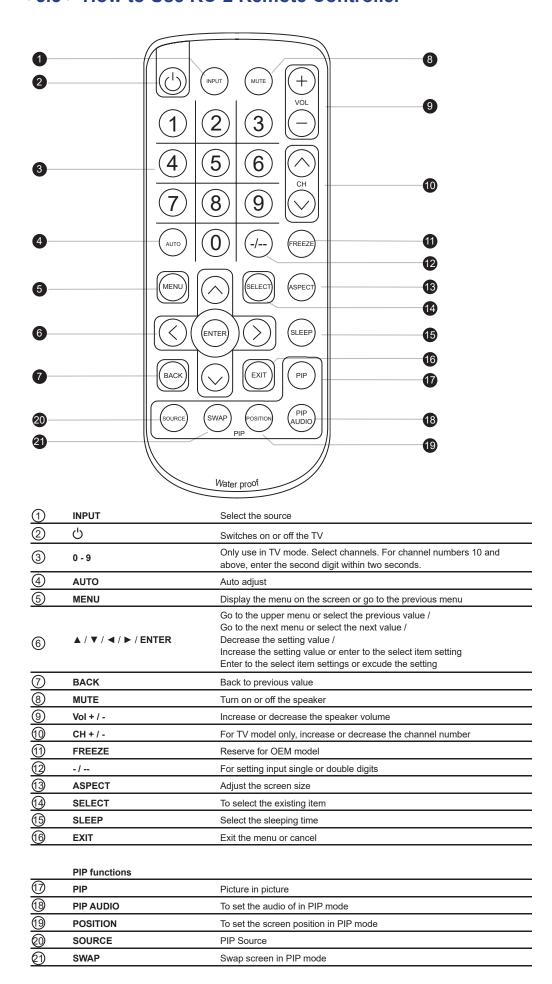
BNC Option

- BNC (Composite, BNC)
- Audio IN
- Speaker



BNC option come with RC-2 remote controller x 1 (please refer to P.22 Remote Controller (RC-2))

< 5.5 > How to Use RC-2 Remote Controller



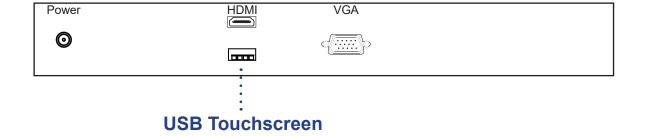
< 5.6 > Options : Touchscreen & driver



F19" USB Touchscreen Specification

Model	TPC-10 Multi-touch	TRB e-Resistive
Technology	Projected Capacitive	5-Wire Resistive
Touch Point	10	Single
Input Type	USB	Finger or Stylus
Resolution	4096 x 4096	2048 x 2048
Touch Point Accuracy	± 2 mm	-
Response Speed	< 5 ms	15 ms
Activation Force	< 5 g	≤ 50 g
Surface Hardness	6H	3H
Light Transmission	> 85%	80% ± 3%
Haze	3% ↓	8% ± 3%
Durability	50 million touches	10 million touches
Top Layer	1.8 mm Glass	ITO Film
Bottom Layer	0.7 mm Sensor Glass	ITO Glass
Thickness	2.7 ± 0.1 mm	2.2 ± 0.2 mm
Connector	USB	USB Type A
Compatibility	Linux / Android / Windows / Mac	Windows 7 / XP / Vista, Linux

- Dimension will be changed if touchscreen required
- 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



< 5.6 > Options : Touchscreen & driver



TPC-10 Driver



Connect the USB cable from the USB port on the LCD to a computer. The touch screen supports easy Plug-and-Play operations. There is no need to install additional drivers on the computer.

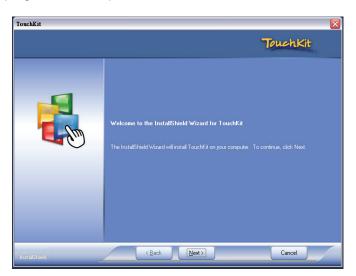
TRB Driver

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



Please do the initial calibration after the first setup



< 5.7 > 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%

*** For DC power option :

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



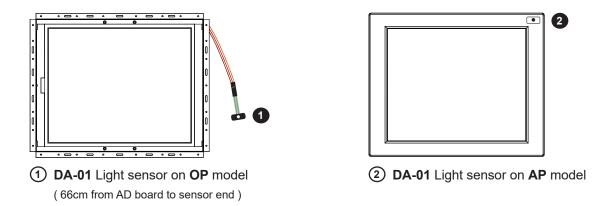
< 5.8 > Options : MIL-type or Lockable Connector

	Input	Part no.	MIL Standard
MIL - type Connector	DC Power *** (Male)	MS3470W8-33P	MIL - DTL - 26482
	VGA *** (Male)	MS3470W14-15P	MIL - DTL - 26482

^{***} There are several additional MIL DC and VGA connector types with varying design characteristics to meet cost considerations and to provide users with the most design flexibility possible. For more information, please contact us.

	Input	Part no.	Standard
Lockable Connector	DC Power (Male)	YM-Ext-461CP001	D-type 3W3
	USB	LUSB - A111 - 00	-

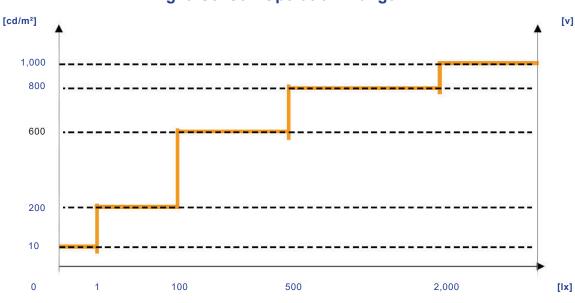
^{***} MIL - type or Lockable connectors above can be integrated with our LCD displays. Sale service just for connectors not provided.



DA-01 light sensor installed on the display front panel. Users can set auto dimming ON or OFF from OSD menu. Then display brightness changes according to its ambient brightness. Each change causes 10% increase or decrease on display brightness.

Once the auto dimming is ON, users cannot adjust brightness from OSD menu.

Steps: OSD Menu > Picture > Auto Dimming > ON



Light Sensor Operation Range

Options: Switch Dimming

DS-01 is a IP54 dimming knob installed on the bottom right side of the front panel. The display can support hyper dimming function to adjust brightness from nearly 0% to 100% via the easy-to-use knob. One click on dimming knob causes 2% increase or decrease on display brightness.



< 6 > Ultraview F19 Family

300 cd/m² Brightness

6mm aluminum front bezel



AP-F19

6mm aluminum front bezel NEMA 4 / IP65 front protection



NAP-F19

Aluminum front cover



DP-F19

Universal open frame



OP-F19

MP-F19

Industrial Display Kit

- FHD 19" LED
- LCD controller
- AC power

1000 cd/m² Sunlight Readable Brightness



HAP-F19



HNAP-F19



HDP-F19



HOP-F19

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