

FHD**UltraView****Professional and Versatile LED Monitor**

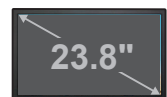
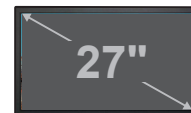
UltraView FHD Large LED monitor supports 1920 x 1080 resolution, achieving ultimate picture quality. Improved energy efficiency and fan-less architecture provides professional-use durability and around-the-clock operation.

F55**F43****F32****F28****F23**

UltraView FHD professional LED is more than just a standalone monitor. UltraView has a variety of embedded modules including HDMI Decoder, HDMI Extender, HDMI Quad display Extender, Multi-Monitor OSD Controller, SDI Input and Portrait Mode Kit. The embedded modules give you the ability of video remote management and transmission for multiple monitors over network.

As a versatile FHD monitor, UltraView FHD professional LED is meticulously designed to meet professional and environmental demands including Sunlight readable brightness, Front protection, Anti-reflective/Vandal proof glass, DC power input, Brightness dimming and Mounting kit for VESA-mount, Universal-mount, Overhead tilted wall-mount and Desktop stand.

With over 30 years' production experience, the UltraView structure is well-engineered and manufactured by our own CNC facilities and team of experts to ensure its ruggedness, mobility and quality, as well as being suitable for harsh environment applications. The structure can be customized if required to facilitate monitor installation. Our knowledgeable engineers are able to provide frame customization for specific dimensions, color, metal treatment, screen printing, bezel and mounting.

Product Highlights**Key Benefits**

- ▶ 1920 x 1080 native FHD resolution
- ▶ F55, F27, F23 : 1.07B colors (10-bit)
- ▶ F43, F32 : 16.7M colors (8-bit)
- ▶ F55 & F27 : DP, HDMI 1.4 & VGA ; Optional HDMI 2.0
- ▶ F43 & F32 : DP, HDMI 1.4, DVI-D & VGA ; Optional HDMI 2.0
- ▶ F23 : HDMI 1.4 & VGA ; Optional DP, HDMI 2.0 & DVI-D
- ▶ Video decoding capability up to 1080p (option)
- ▶ Rugged structure ensures high mobility
- ▶ IP65 front protection (NAP series)
- ▶ Professional-use durability & around-the-clock operation
- ▶ 2-year standard warranty (upgradable up to 5 years)

Applications

- Broadcasting / Advertising
- Traffic control / Command center
- Directory / Ticket kiosk
- Surveillance system
- Vehicle mount display
- Bathroom TV

Options

- DC power
- Touchscreen
- IP65 front protection
- Custom chassis & mounting
- Sunlight readable (F55~F32, F23)
- HDMI decoder & extender
- HDMI quad display 1080p
- Multi monitor OSD control module
- 3G / HD / SD-SDI input module
- 12G / 4K60 / SD-SDI input module
- Auto dimming
- Manual dimming

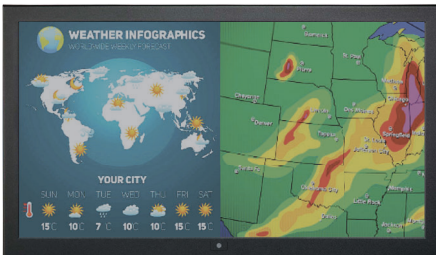
Standard Brightness

8mm / 6mm aluminum front bezel



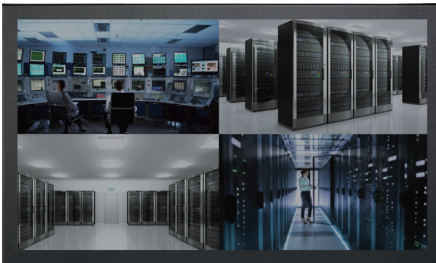
AP-F55
AP-F43
AP-F32
AP-F27
AP-F23

8mm / 6mm aluminum front bezel
NEMA 4 / IP65 front protection



NAP-F55
NAP-F43
NAP-F32
NAP-F27
NAP-F23

Aluminum front cover



DP-F55
DP-F43
DP-F32
DP-F27
DP-F23

Universal open frame



OP-F55
OP-F43
OP-F32
OP-F27
OP-F23

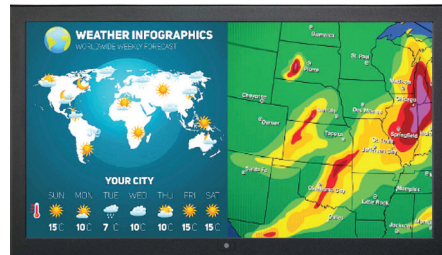
Sunlight Readable Brightness

8mm / 6mm aluminum front bezel



HAP-F55
HAP-F43
HAP-F32
HAP-F23

8mm / 6mm aluminum front bezel
NEMA 4 / IP65 front protection



NHAP-F55
NHAP-F43
NHAP-F32
NHAP-F23

Aluminum front cover



HDP-F55
HDP-F43
HDP-F32
HDP-F23

Universal open frame



HOP-F55
HOP-F43
HOP-F32
HOP-F23

Chassis customization

- ▶ Dimension
- ▶ Color & Treatment
- ▶ Screen Printing
- ▶ Stainless Steel Bezel

Options — Touchscreen & Glass Protection

Touchscreen type	F55	F43	F32	F27	F23
Projected Capacitive 10-point	✓	✓	✓	✓	✓
e-Resistive 1-point Touch					✓
Anti-reflective Glass			✓		
Vandal Proof Glass			✓		

Specification : Projected Capacitive 10-point Touch

	TPC-10 Multi-touch
Technology	Projected Capacitive
Touch Point	10 point touch standard (special requirement available)
Input Type	Finger or Capacitive Stylus
Resolution	4096 x 4096
Touch Point Accuracy	± 2 mm
Response Speed	< 5 ms
Activation Force	< 5 g
Surface Hardness	6H
Light Transmission	> 85%
Haze	3%↓
Durability	50 million touches
Top Layer	3 mm Glass
Bottom Layer	1.1 mm Sensor Glass
Thickness	4.3 ± 0.25 mm
Connector	USB
Compatibility	Windows / Linux / Android / Mac

Part no. : TPC10

Specification : e-Resistive 1-point Touch

	TRB e-Resistive
Technology	5-Wire Resistive
Touch Point	Single
Input Type	Finger or Stylus
Resolution	2048 x 2048
Response Speed	15 ms
Activation Force	≤ 50 g
Surface Hardness	3H
Light Transmission	80% ± 3%
Haze	8% ± 3%
Durability	10 million touches
Top Layer	ITO Film
Bottom Layer	ITO Glass
Thickness	3.2 ± 0.2 mm
Connector	USB Type A
Compatibility	Windows 7 / XP / Linux / Mac

Part no. : TRB

Options — DC Power

		24V	48V	125V
Input rating	Input voltage	24-Volt	48-Volt	110-Volt
	Input range	18 ~ 36V	36 ~ 75V	66 ~ 160V
Input current	No load	50 mA	50 mA	40 mA
	Full load	4880 mA	2442 mA	993 mA
Output rating	Output voltage	24-Volt	24-Volt	24-Volt
	Output current	4.16A	4.16A	4.16A
Efficiency		88%	90%	92%

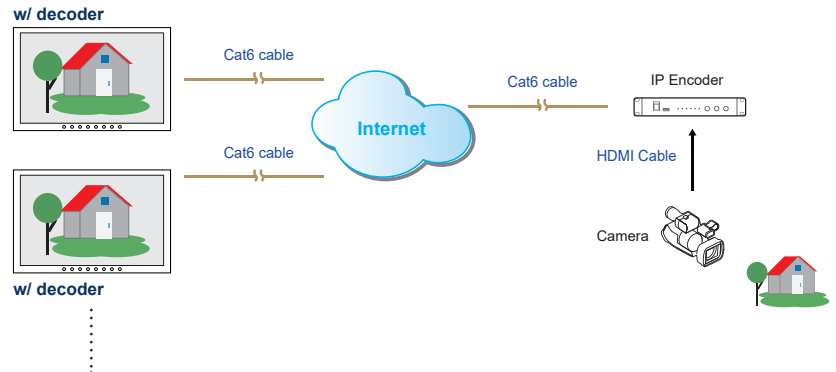
Part no. : 24VDC
48VDC
125VDC

Options — Video Management & Transmission over Network

Embedded HDMI Decoder Module 1080p over IP

- Decodes RTSP, RTMP, UDP, HTTP, HLS protocols
- Supports video resolutions up to 1080p / 60Hz
- Unicast and multicast support
- Operates on standard 1000Mb Ethernet networks
- Built-in Web UI for configuration and control
- Excellent image quality with very low delay

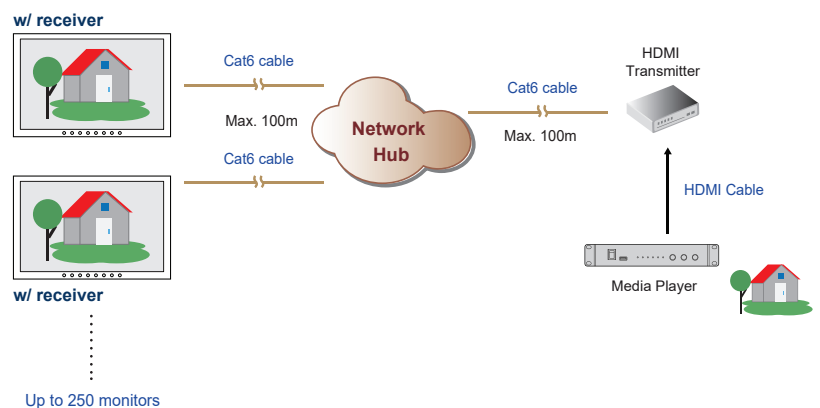
Part no.

Embedded HDMI Decoder Module : **UV-DE100F**Standalone HDMI Encoder : **UV-EN100F**

Embedded HDMI Receiver Module 1080p

- Extends the HDMI signal over a single Cat5/6 cable
- Supports video resolutions up to 1080p / 60Hz
- One to one just via Cat5/6 cable
- One to multi via network hub and Cat5/6 cable
- 100m maximum Cat5/6 cable distance
- Supports bi-directional IR communication
- High Speed HDMI 1.4 and HDCP 1.4 compliant
- No software or drivers required

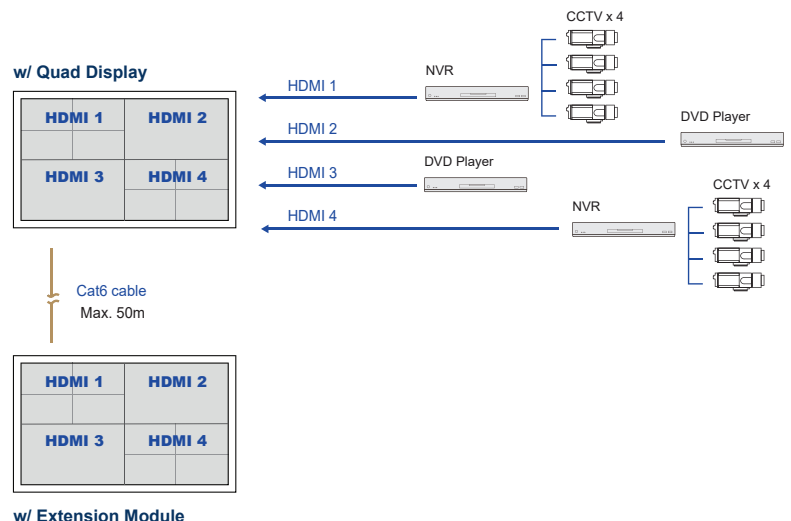
Part no.

Embedded HDMI Receiver Module : **UV-R100F**Standalone HDMI Transmitter : **UV-T100F**

Embedded HDMI Quad Display Module 1080p

- Allows 4 x HDMI inputs to be monitored simultaneously
- Quad split, panel left and full screen monitoring modes
- High speed HDMI 1.4 and HDCP 1.4 compliant
- Supports video resolutions up to 1080p / 60Hz
- Supports Scaler Up and Down function
- Control via local front panel and IR remote

Part no.

Embedded HDMI Quad Display Module : **QD-1080**Embedded Quad Display Extension Module : **QD-E1080**

Options — Video Management & Transmission over Network

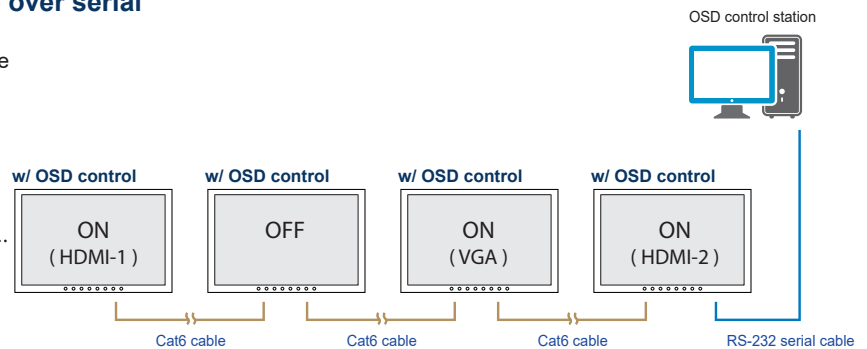
Embedded Multi Monitor OSD Control Module over serial

- Remote control the monitor OSD via RS-232C serial interface
- Daisy chain up to 64 monitors via Cat5/6 cable
- Individual ID for individual monitor OSD settings
- Power ON or OFF monitor
- Adjust brightness & audio
- Switch video sources

Up to 64 monitors
Up to 1,000m distance

Part no.

Embedded Multi Monitor OSD Control Module : **MCS**

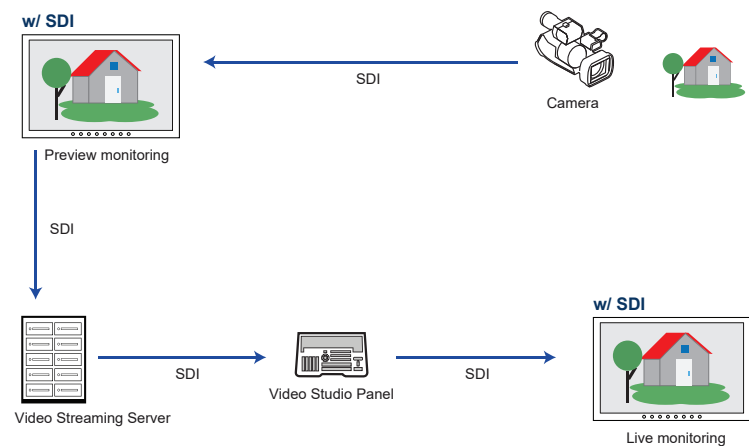


Embedded 3G / HD / SD-SDI Input Module

- Intelligent SDI monitoring with broadcast quality scopes
- Supports multi-rate 3G / HD / SD-SDI format
- Provides input to output loop-through capability
- Auto format sensing & selection

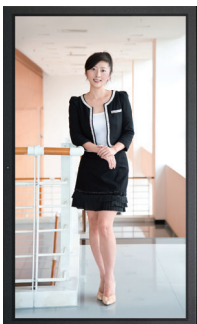
Part no.

Embedded 3G / HD / SD-SDI Input Module : **SDI**



Embedded Portrait Mode Module

- Provides users with a rotation feature (0, 90, 180 & 270 orientation) without frame delay via OSD
- Allows distortion-free display of content in various orientations
- Creates new application opportunities



w/ Portrait mode module

Part no.

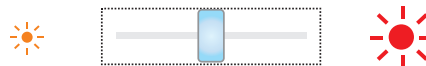
Embedded Portrait Mode Module : **AD4.0-P**

Embedded Auto Brightness Dimming Module

- Brightness changes according to its ambient brightness
- Its brightness change causes 10% increase or decrease

Part no.

Embedded Brightness Auto Dimming Module : **DA-01**



Embedded Manual Brightness Dimming Knob

- Easy-to-use IP54 dimming knob on the front panel
- One click causes 2% brightness increase or decrease
- Brightness adjustment from 0% to 100%

Part no.

Brightness Dimming Knob : **DS-01**

Product Specifications

LCD Panel	F55	H-F55	F43	H-F43	F32	H-F32	F27	F23	H-F23
Panel size (diagonal)	55"		42.5"		31.5"		27"	23.8"	
Native resolution	1920 x 1080								
Brightness (cd/m²)	450	1500 	450	1500 	350	1500 	300	540	1000 
Contrast ratio (typ.)	1200 : 1	4000 : 1	700 : 1	1100 : 1	1200 : 1	3000 : 1	1000 : 1	1200 : 1	1300 : 1
Colors	1.07B, 10-bit		16.7M, 8-bit	1.07B, 10-bit	16.7M, 8-bit		1.07B, 10-bit	1.07B	1.07B
Viewing angle (L/R/U/D)	89/89/89/89								
Response time (ms)	12		12		8	20	20	14	
Dot pitch (mm)	0.315		0.4902	0.2451	0.363		0.3113	0.1369	0.0995
Display area (mm)	1209.60H x 680.4V		941.184H x 529.416V		698.4H x 392.85V		596.736H x 335.664V	525.66H x 295.70V	525.89H x 295.81V
Surface treatment	Anti-glare							Anti-reflective	Haze 25%
Surface hardness	2H		3H	2H	3H			2H	3H
Backlight type	LED								
MTBF (hrs)	30,000		50,000		30,000	50,000	30,000	30,000	30,000

Mounting	F55	H-F55	F43	H-F43	F32	H-F32	F27	F23	H-F23
VESA mount (bundle)	600 x 400 mm		600 x 400 mm		300 x 300 mm		100 x 100 mm	100 x 100 mm	
Universal mount (ready)	OP only		OP only		OP only		OP only	OP only	
Overhead tilted wall-mount (optional)	AP / NAP / DP		AP / NAP / DP		AP / NAP / DP		AP / NAP / DP	AP / NAP / DP	
Desktop stand (optional)	AP / NAP / DP		AP / NAP / DP		AP / NAP / DP		AP / NAP / DP	AP / NAP / DP	

Power	F55	H-F55	F43	H-F43	F32	H-F32	F27	F23	H-F23
Input	Auto-sensing 100 to 240VAC, 50 / 60Hz								
Max. Consumption :									
Screen on	100W	335W	68W	220W	56W	160W	53W	55W	90W
Saving mode	9W							2W	
Button off	2W							1W	

Design	AP	NAP 	DP	OP
Protection	8mm / 6mm front bezel	NEMA 4 / IP65	Front cover	Open frame
Front panel	Black, RAL 9005			-
Rear casing	Black, RAL 9005			

Video	
Display port	DP 1.0 / HDCP 1.3
HDMI	HDMI 1.4
VGA	Analog 0.7Vp-p

* DP : Standard for F55" ~ F27"

Video Option	
Display port (for F23")	DP 1.0 / HDCP 1.3

* DP : Optional for F23"

Audio Option	
Audio input :	
Connector	3.5mm stereo jack
Impedance / Power level	30kΩ / 750mV
Audio output :	
Connector	3.5mm stereo jack
Resistance / Power level	30kΩ / 2.8V
Speaker :	
Dual stereo speaker	10W x 2

* Audio : Optional for F55", F27", F23" / Speaker : Optional for F23"

DVI-D / VGA input	HDMI input	Display port input
PC signal : 1920 x 1080 x 60Hz 1360 x 768 x 60Hz 1280 x 1024 x 60 / 75Hz 1280 x 960 x 60Hz 1280 x 768 x 60 / 75Hz 1152 x 864 x 75Hz 1024 x 768 x 60 / 70 / 75Hz 848 x 480 x 60Hz 800 x 600 x 60 / 72 / 75Hz 720 x 400 x 70Hz 640 x 480 x 60 / 72 / 75Hz 640 x 400 x 70Hz 640 x 350 x 70Hz	PC signal : Same as VGA HDMI 1.4 : 1920 x 1080 x 50 / 60Hz 1920 x 1080 x 25 / 30Hz 1280 x 720 x 50 / 60Hz 720 x 480 x 50 / 60Hz	PC signal : 1920 x 1080 x 60Hz 1600 x 1200 x 60Hz 1360 x 768 x 60Hz 1280 x 768 x 60 / 75Hz 1280 x 768 x 60Hz 1024 x 768 x 60 / 70 / 75Hz 800 x 600 x 60 / 72 / 75Hz 720 x 400 x 70Hz 640 x 480 x 60 / 72 / 75Hz
Audio signal : 2ch Linear PCM	Audio signal : 2ch Linear PCM	Audio signal : 2ch Linear PCM

Product Specifications

Environment	
Operating temp.	0 to 55°C degree
Storage temp.	-20 to 60°C degree
Operating humidity	10~90%, non-condensing
Storage humidity	5 ~90%, non-condensing
Operating altitude	16,000 ft
Non-operating altitude	40,000 ft
Shock	10G acceleration (11ms duration)
Vibration	10~300Hz 0.5G RMS random

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

Physical Dimension & Weight

F55		AP-F55	NAP-F55	DP-F55	OP-F55
Product (W x D x H) :	mm inch	1295 x 89.3 x 776 51 x 3.5 x 30.6		1269 x 83.1 x 750 50 x 3.3 x 29.5	1292 x 81.3 x 773 50.9 x 3.3 x 30.4
Net weight		40 kg / 88 lb	48.6 kg / 106.9 lb	37 kg / 81.4 lb	33 kg / 72.6 lb
Packing (W x D x H) :	mm inch	1455 x 212 x 917 57.3 x 8.3 x 36.1			
Gross weight		50 kg / 110 lb	58.6 kg / 128.9 lb	47 kg / 103.4 lb	43 kg / 94.6 lb

F43		AP-F43	NAP-F43	DP-F43	OP-F43
Product (W x D x H) :	mm inch	1025 x 82.8 x 619 40.4 x 3.3 x 24.4		999 x 76.8 x 593 39.3 x 3 x 23.3	1032 x 74.8 x 773 50.9 x 3.3 x 30.4
Net weight		31.7 kg / 69.7 lb	37.2 kg / 81.8 lb	37 kg / 81.4 lb	33 kg / 72.6 lb
Packing (W x D x H) :	mm inch	1122 x 199 x 712 44.2 x 7.8 x 28			
Gross weight		37.5 kg / 82.5 lb	43 kg / 94.6 lb	34.8 kg / 76.6 lb	32 kg / 70.4 lb

F32		AP-F32	NAP-F32	DP-F32	OP-F32
Product (W x D x H) :	mm inch	780 x 88.2 x 474 30.7 x 3.5 x 18.7		758 x 84.2 x 452 29.8 x 3.3 x 17.8	777 x 82.2 x 471 30.6 x 3.2 x 18.5
Net weight		20.9 kg / 46 lb	23.9 kg / 52.6 lb	18.7 kg / 41.1 lb	16.4 kg / 36.1 lb
Packing (W x D x H) :	mm inch	910 x 195 x 580 35.8 x 7.7 x 22.8			
Gross weight		25.7 kg / 56.5 lb	28.7 kg / 63.14 lb	23.5 kg / 51.7 lb	21.2 kg / 46.6 lb

F27		AP-F27	NAP-F27	DP-F27	OP-F27
Product (W x D x H) :	mm inch	678 x 72.8 x 417 26.7 x 2.9 x 16.4		656 x 66.8 x 395 25.8 x 2.6 x 15.6	675 x 64.8 x 414 26.6 x 2.6 x 16.3
Net weight		16.8 kg / 37 lb	18.6 kg / 40.9 lb	14.8 kg / 32.6 lb	12.7 kg / 27.9 lb
Packing (W x D x H) :	mm inch	785 x 175 x 527 30.9 x 6.9 x 20.7			
Gross weight		20.4 kg / 44.9 lb	22.2 kg / 48.8 lb	18.4 kg / 40.5 lb	16.3 kg / 35.9 lb

F23		AP-F23	NAP-F23	DP-F23	OP-F23
Product (W x D x H) :	mm inch	584.2 x 63.6 x 363.6 23 x 2.5 x 14.3		562.4 x 59.6 x 341.6 22.1 x 2.3 x 13.4	581.4 x 65.3 x 360.6 22.9 x 2.6 x 14.2
Net weight		9 kg / 19.8 lb	10.4 kg / 22.9 lb	7.9 kg / 17.4 lb	6.7 kg / 14.7 lb
Packing (W x D x H) :	mm inch	659 x 117 x 640 25.9 x 4.6 x 25.2			
Gross weight		12.7 kg / 27.9 lb	14.1 kg / 31 lb	11.6 kg / 25.5 lb	10.4 kg / 22.9 lb

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

UltraView Family

UltraView series covers a full range of professional LCD display sizes.
Please select from the below the most suitable model for your application.

Sales Inquiry

inquiry@austin-hughes.com

Technical Support

support@austin-hughes.com

4K	FHD		WXUGA (1920 x 1200)	Regular
● K55 ● K43 ● K32 ● K27 ● K23 ● K21 ● K19 ● K15 ● K13	● F55 ● F43 ● F32 ● F27 ● F23	● F21 ● F19 ● F17 ● F15 ● F13	● X24 ● X19	● W19" (1440 x 900) ● 20" (1600 x 1200) ● 19" (1280 x 1024) ● 17" (1280 x 1024) ● 15" (1024 x 768) ● 12" (800 x 600) ● 10" (800 x 600)

Sunlight Readable / High Brightness

4K	FHD	Regular
● K55 ● K43 ● K23 ● K19	● F55 ● F43 ● F32 ● F24 ● F23	● F21 ● F19 ● F17 ● F15 ● W19" (1440 x 900) ● 19" (1280 x 1024) ● 17" (1280 x 1024)



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AUSTIN HUGHES®

Americas

inquiry-america@austin-hughes.com

Austin Hughes Solutions Inc.
21375 Cabot Blvd
Hayward, CA 94545
United States

EMEA

inquiry-emea@austin-hughes.com

Austin Hughes Europe Ltd.
Unit 1, Chancery Gate Business Centre
Manor House Avenue
Southampton, SO15 0AE
United Kingdom

Austin Hughes LLC-FZ

Meydan FZ, Nad Al Sheba,
PO Box 9305, Dubai, UAE.

APAC

inquiry-apac@austin-hughes.com

Austin Hughes Electronics Ltd.
Unit 3608-12, Cable TV Tower
9 Hoi Shing Road, Tsuen Wan
Hong Kong

ASEAN

inquiry-asean@austin-hughes.com

Austin Hughes Pte. Ltd.
1 Bukit Batok Crescent,
#04-27 WCEGA Plaza
Singapore 658064

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