FHD

Professional and Versatile LED Monitor

UltraView

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.

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 25 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", F28", F23" : 1.07B colors (10-bit)
- F43", F32" : 16.7M colors (8-bit)
- F55" ~ F28" : HDMI 1.4, DVI-D & VGA ; Optional DP & 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 (F55", F48", F32", F23")
- IP65 front protection
- Custom chassis & mounting
- Sunlight readable panel (F55”~ 32”)
- 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

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F55” ~ F23”

Professional and Versatile LED Monitor

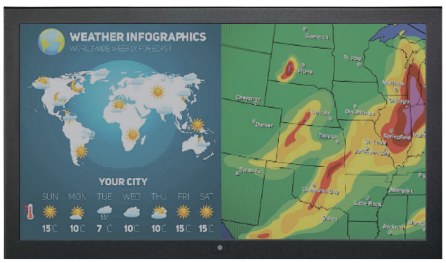
UltraView

Standard Brightness

8mm / 6mm aluminum front bezel

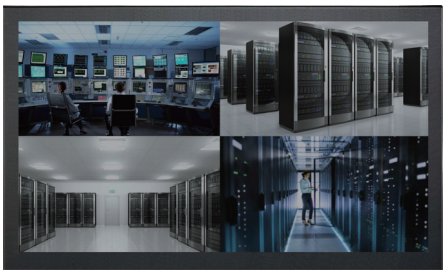
AP-F55
AP-F43
AP-F32
AP-F28
AP-F23

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



NAP-F55
NAP-F43
NAP-F32
NAP-F28
NAP-F23

Aluminum front cover



DP-F55
DP-F43
DP-F32
DP-F28
DP-F23

Universal open frame

OP-F55
OP-F43
OP-F32
OP-F28
OP-F23

1500 cd/m² Sunlight Readable Brightness

8mm / 6mm aluminum front bezel

HAP-F55
HAP-F43
HAP-F32

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

NHAP-F55
NHAP-F43
NHAP-F32

Aluminum front cover

HDP-F55
HDP-F43
HDP-F32

Universal open frame

HOP-F55
HOP-F43
HOP-F32

Chassis customization

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

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Options — Touchscreen & Glass Protection

Touchscreen type	F55	F43	F32	F28	F23
Infrared 6-point					✓
Infrared 10-point	✓	✓	✓		
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

Specification : Infrared 10-point Touch

	IR-10 Infrared
Technology	Infrared
Touch Point	10
Input Type	Pen, Finger, Finger of gloved hand activation
Touch Point Accuracy	± 2 mm
Response Speed	≤ 15 ms
Activation Force	No minimum touch activation force
Touch Durability	Unlimited
Glass Thickness	3 mm
Connector	A-type USB
Operating System	Windows 7 / Windows 10

Part no. : IR10

Specification : Infrared 6-point Touch

	IR-06 Infrared
Technology	Infrared
Touch Point	6
Input Type	Pen, Finger, Finger of gloved hand activation
Touch Point Accuracy	± 2 mm
Response Speed	≤ 8 ms
Activation Force	No minimum touch activation force
Touch Durability	Unlimited
Glass Thickness	2 mm
Connector	A-type USB
Operating System	Windows 7 / Windows 10

Part no. : IR06

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

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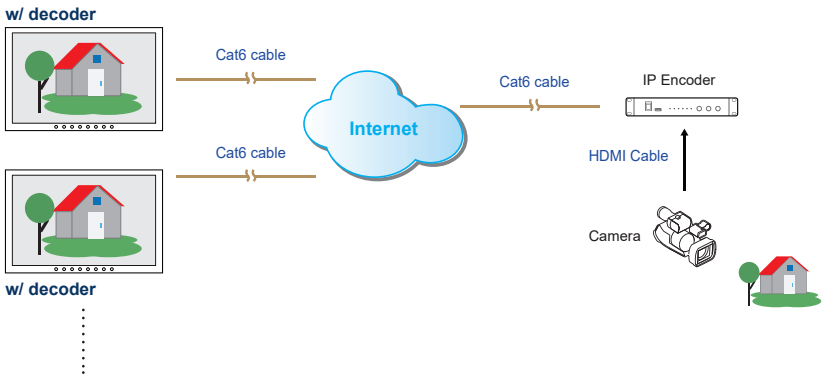
Options — Video Management & Transmission over Network

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**

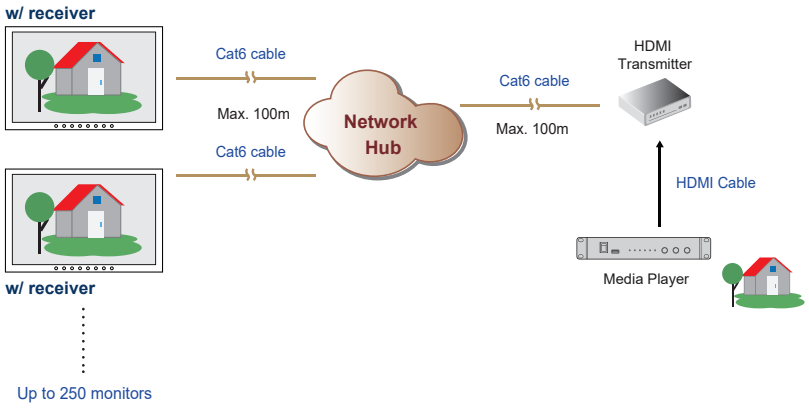


Embedded HDMI Receiver Module 1080p

- 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**

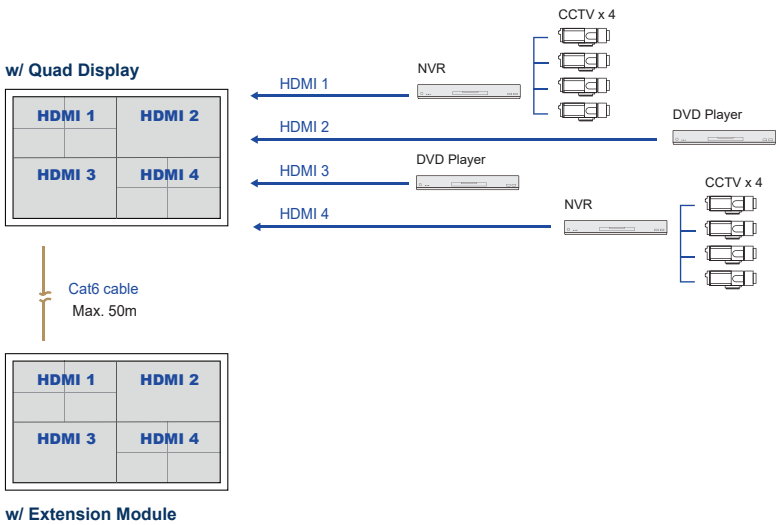


Embedded HDMI Quad Display Module 1080p

- 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**



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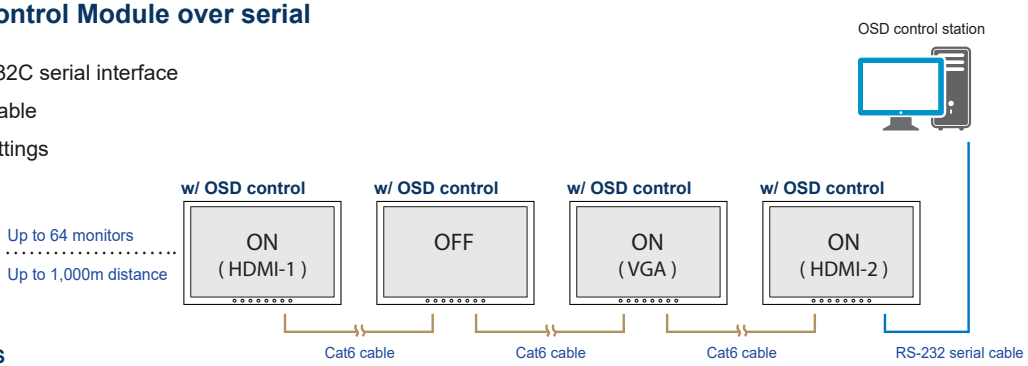
Options — Video Management & Transmission over Network

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

Part no.

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

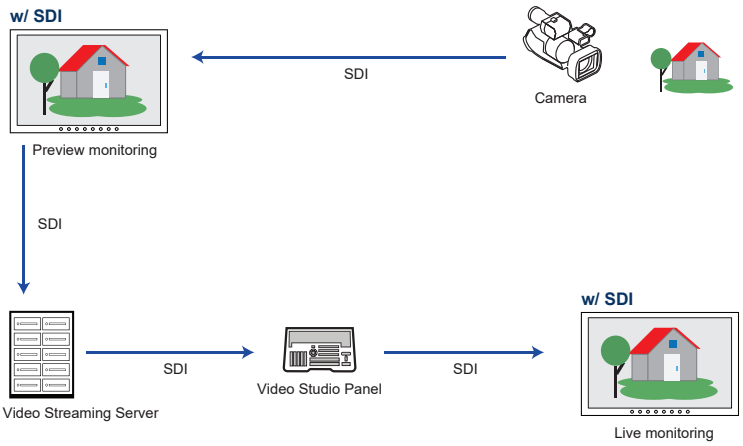


Embedded 3G / HD / SD-SDI Input Module

- 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

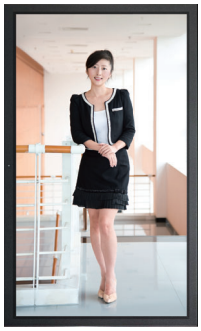
Part no.

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**

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F55” ~ F23”

Professional and Versatile LED Monitor

UltraView

Product Specifications

LCD Panel	F55	H-F55	F43	H-F43	F32	H-F32	F28	F23
Panel size (diagonal)	55”		42.5”		31.5”		28”	23”
Native resolution	1920 x 1080							
Brightness (cd/m²)	450	1500	450	1500	350	1500	300	310
Contrast ratio (typ.)	1200 : 1	4000 : 1	700 : 1	1100 : 1	1200 : 1	3000 : 1	1000 : 1	1000 : 1
Colors	1.07B, 10-bit		16.7M, 8-bit	1.07B, 10-bit	16.7M, 8-bit		1.07B, 10-bit	1.07B, 10-bit
Viewing angle (L/R/U/D)	89/89/89/89						85/85/80/80	89/89/89/89
Response time (ms)	12		12		8	20	5	25
Dot pitch (mm)	0.315		0.4902	0.2451	0.363		0.181	0.13725
Display area (mm)	1209.60H x 680.4V		941.184H x 529.416V		698.4H x 392.85V		620.93H x 341.28V	527.04H x 296.46V
Surface treatment	Anti-glare							
Surface hardness	2H		3H	2H	3H			
Backlight type	LED							
MTBF (hrs)	30,000		50,000		30,000	50,000	**30,000**	30,000

Mounting	F55	H-F55	F43	H-F43	F32	H-F32	F28	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	F28	F23
Input	Auto-sensing 100 to 240VAC, 50 / 60Hz							
Max. Consumption :								
Screen on	100W	335W	68W	220W	56W	160W	52W	45W
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	
HDMI	HDMI 1.4
VGA	Analog 0.7Vp-p
DVI *	DVI-D single link

* Standard for 55”, 43”, 32” & 28”

Video Option	
Display port	DP1.0 / HDCP 1.3
HDMI	HDMI 2.0 / HDCP 2.2
DVI-D **	DVI-D single link
Composite (BNC)	NTSC & PAL

** Option for 23”

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

*** When the audio output is connected, speaker output is OFF

DVI-D / VGA 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
Audio signal : 2ch Linear PCM

HDMI input
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
Audio signal : 2ch Linear PCM

Display port input
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

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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	1295 x 89.3 x 776		1269 x 83.1 x 750	1292 x 81.3 x 773
Product (W x D x H) : inch	51 x 3.5 x 30.6		50 x 3.3 x 29.5	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	1455 x 212 x 917			
Packing (W x D x H) : inch	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	1025 x 82.8 x 619		999 x 76.8 x 593	1032 x 74.8 x 773
Product (W x D x H) : inch	40.4 x 3.3 x 24.4		39.3 x 3 x 23.3	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	1122 x 199 x 712			
Packing (W x D x H) : inch	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	780 x 88.2 x 474		758 x 84.2 x 452	777 x 82.2 x 471
Product (W x D x H) : inch	30.7 x 3.5 x 18.7		29.8 x 3.3 x 17.8	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	910 x 195 x 580			
Packing (W x D x H) : inch	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

F28”	AP-F28	NAP-F28	DP-F28	OP-F28
Product (W x D x H) : mm	703.9 x 71 x 424.5		681.9 x 67 x 402.5	700.9 x 65 x 421.5
Product (W x D x H) : inch	27.7 x 28 x 16.7		26.8 x 2.6 x 15.8	27.6 x 2.6 x 16.6
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	785 x 175 x 527			
Packing (W x D x H) : inch	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	584.2 x 63.6 x 363.6		562.4 x 59.6 x 341.6	581.4 x 65.3 x 360.6
Product (W x D x H) : inch	23 x 2.5 x 14.3		22.1 x 2.3 x 13.4	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	659 x 117 x 640			
Packing (W x D x H) : inch	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**

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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

- K55"
- K43"
- K32"
- K28"
- K23"
- K17"
- K15"
- K13"

FHD

- F55"
- F43"
- F32"
- F28"
- F23"
- F21"
- F19"
- F17"
- F15"
- F13"

WXUGA (1920 x 1200)

- X24"
- X17"

Regular

- 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)

High Brightness

4K

- K55"
- K43"

Sunlight Readable Brightness

FHD

- F55"
- F43"
- F32"
- F21"
- F19"
- F17"
- F15"

Regular

- W19" (1440 x 900)
- 19" (1280 x 1024)
- 17" (1280 x 1024)

AUSTIN HUGHES®

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