

# 4K UHD

## Professional and Versatile LED Monitor

# UltraView

**UltraView** 4K Large LED monitor series supports 3840 x 2160@60Hz resolution, 4 times the resolution of FHD. True 10-bit input enables 1.07 billion colors to be presented, achieving ultimate picture quality. Reduced energy and fan-less architecture provides professional-use durability and around-the-clock operation.

K55



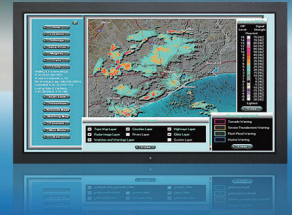
K43



K32



K28

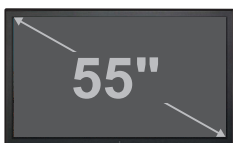


UltraView 4K professional LED is more than just a standalone monitor. UltraView has a variety of embedded modules including HDMI Decoder, HDMI Extender, HDMI Quad display Extender, Multi-Monitor OSD Controller, 3G & 12G SDI Input and Portrait Mode Kit. The embedded modules give you the ability of video remote management and transmission for multiple monitors over network.

As a versatile 4K monitor, UltraView 4K professional LED is meticulously designed to meet professional and environmental demands including High 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.

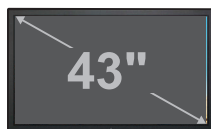
With over 30 years' production experience, the UltraView structure is well-engineered and manufactured by our own CNC facilities and team of experts to ensure its ruggedness, mobility and quality, as well as being suitable for harsh environment applications. The structure can be customized if required 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



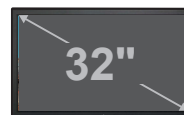
#### Key Benefits

- ▶ 3840 x 2160@60Hz native UHD resolution
- ▶ 1.07 billion colors ( 10-bit )
- ▶ PIP Sub-screen & PBP Dual-screen viewing efficiency
- ▶ Display port 1.2 + HDMI 1.4 + HDMI 2.0 video input
- ▶ 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
- High brightness panel ( K55 & K43 )
- HDMI decoder & extender
- HDMI quad display module 1080p
- Multi monitor OSD control module
- 3G / HD / SD-SDI input module
- 12G / 4K60 / SD-SDI input module
- Portrait mode module
- Auto dimming
- Manual dimming



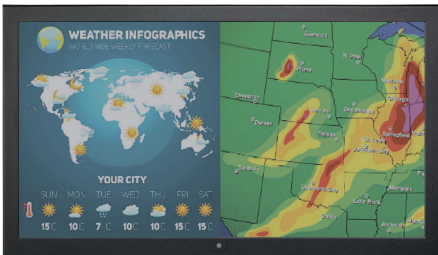
## Standard Brightness

8mm / 6mm aluminum front bezel



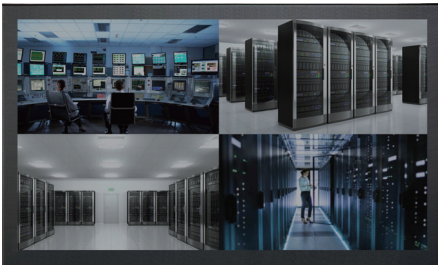
AP-K55  
AP-K43  
AP-K32  
AP-K27

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



NAP-K55  
NAP-K43  
NAP-K32  
NAP-K27

Aluminum front cover



DP-K55  
DP-K43  
DP-K32  
DP-K27

Universal open frame



OP-K55  
OP-K43  
OP-K32  
OP-K27

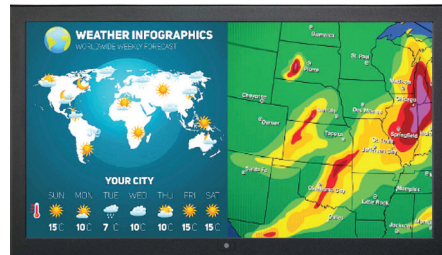
700 cd/m<sup>2</sup> High Brightness

8mm / 6mm aluminum front bezel



HAP-K55  
HAP-K43

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



NHAP-K55  
NHAP-K43

Aluminum front cover



HDP-K55  
HDP-K43

Universal open frame



HOP-K55  
HOP-K43

## Chassis customization

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

## Options — Touchscreen &amp; Glass Protection

| Touchscreen type              | K55 | K43 | K32 | K27 |
|-------------------------------|-----|-----|-----|-----|
| Projected Capacitive 10-point | ✓   | ✓   | ✓   | ✓   |
| 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

## 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%       |

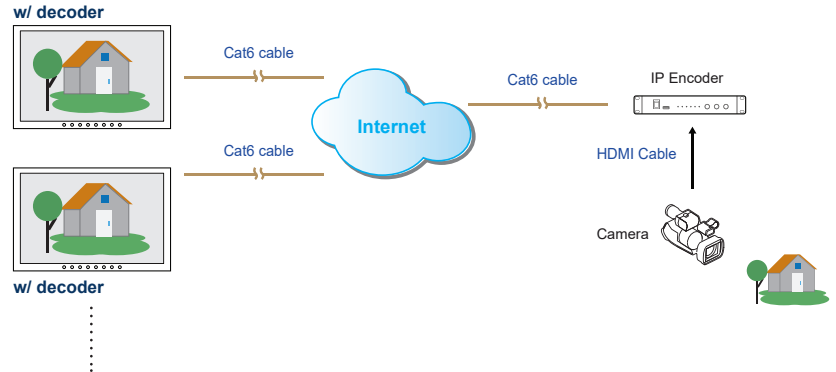
Part no. : 24VDC  
48VDC  
125VDC

## Options — Video Management &amp; 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

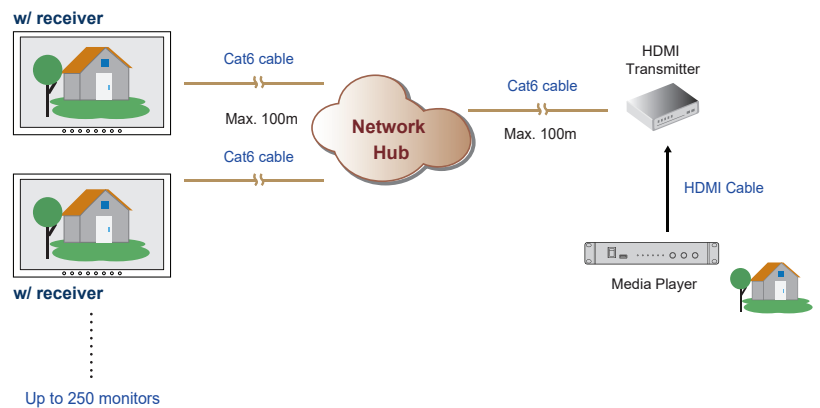
## Part no.

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

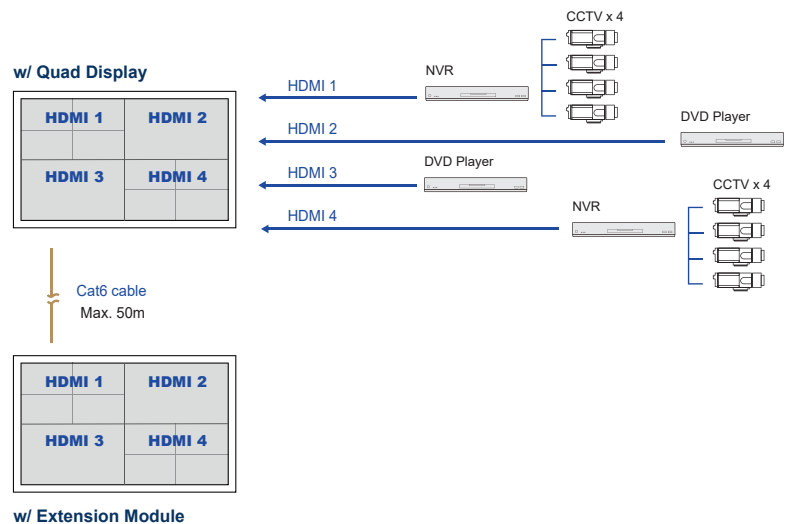
## Part no.

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 &amp; Transmission over Network

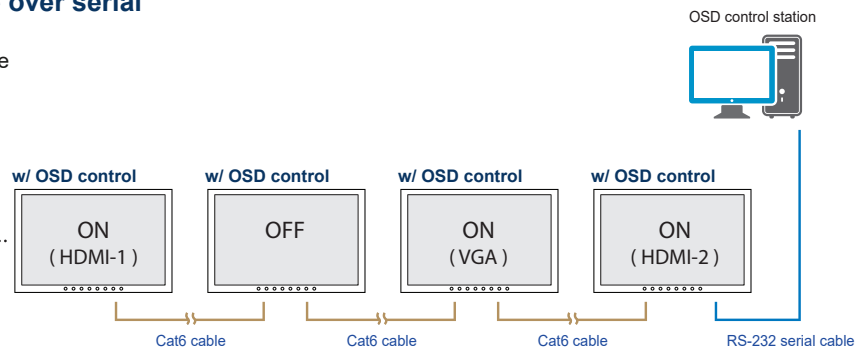
## Embedded Multi Monitor OSD Control Module over serial

- 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**



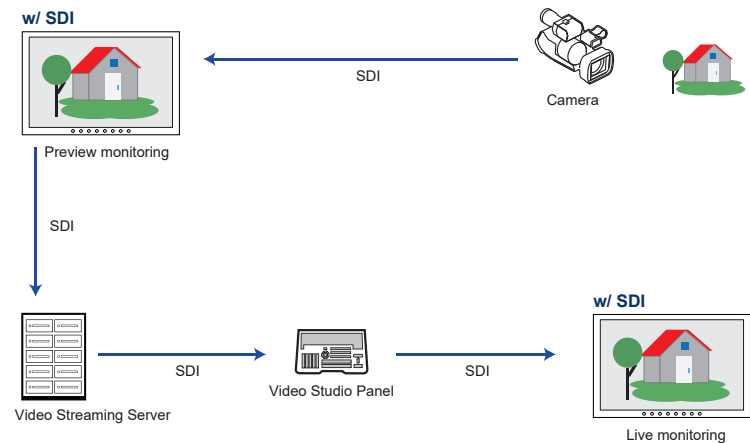
### Embedded 3G / HD / SD-SDI Input Module Embedded 12G / 4K60 / SD-SDI Input Module

- Intelligent SDI monitoring with broadcast quality scopes
- Supports multi-rate 3G / HD & 12G / 4K60 / SD-SDI format
- Provides input to output loop-through capability
- Auto format sensing & selection

## Part no.

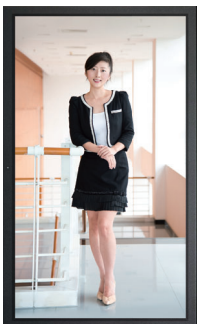
Embedded 3G / HD / SD-SDI Input Module : **SDI**

Embedded 12G / 4K60 / SD-SDI Input Module : **12G-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.

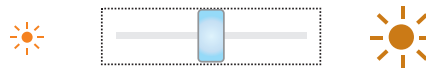
Embedded Portrait Mode Module : **AD4.0-P**

## 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               | K55                  | H-K55                                                                                 | K43                 | H-K43                                                                                 | K32              | K27                 |
|-------------------------|----------------------|---------------------------------------------------------------------------------------|---------------------|---------------------------------------------------------------------------------------|------------------|---------------------|
| Panel size (diagonal)   | 55"                  |                                                                                       | 42.5"               |                                                                                       | 31.5"            | 27"                 |
| Native resolution       | 3840 x 2160@60Hz     |                                                                                       |                     |                                                                                       |                  |                     |
| Brightness (cd/m²)      | 500                  | 700  | 350                 | 700  | 300              | 300                 |
| Contrast ratio (typ.)   | 1200 : 1             | 4000 : 1                                                                              | 1000 : 1            | 1100 : 1                                                                              | 1000 : 1         | 1000 : 1            |
| Colors                  | 1.07 Billion, 10-bit |                                                                                       |                     |                                                                                       |                  |                     |
| Viewing angle (L/R/U/D) | 89/89/89/89          |                                                                                       |                     |                                                                                       |                  |                     |
| Response time (ms)      | 8                    | 12                                                                                    | 12                  |                                                                                       | 20               | 20                  |
| Dot pitch (mm)          | 0.315                |                                                                                       | 0.2451              |                                                                                       | 0.181            | 0.1557              |
| Display area (mm)       | 1209.60H x 680.4V    |                                                                                       | 941.184H x 529.416V |                                                                                       | 698.4H x 392.85V | 596.736H x 335.664V |
| Surface treatment       | Anti-glare           |                                                                                       |                     |                                                                                       |                  |                     |
| Surface hardness        | 3H                   | 2H                                                                                    | 2H                  |                                                                                       | 3H               |                     |
| Backlight type          | LED                  |                                                                                       |                     |                                                                                       |                  |                     |
| MTBF (hrs)              | 50,000               | 30,000                                                                                | 30,000              | 50,000                                                                                | 30,000           | 30,000              |

| Mounting                              | K55           | H-K55 | K43           | H-K43 | K32           | K27           |
|---------------------------------------|---------------|-------|---------------|-------|---------------|---------------|
| VESA mount (bundle)                   | 600 x 400 mm  |       | 600 x 400 mm  |       | 300 x 300 mm  | 100 x 100 mm  |
| Universal mount (ready)               | 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 |
| Desktop stand (optional)              | AP / NAP / DP |       | AP / NAP / DP |       | AP / NAP / DP | AP / NAP / DP |

| Power              | K55                                   | H-K55 | K43 | H-K43 | K32 | K27 |
|--------------------|---------------------------------------|-------|-----|-------|-----|-----|
| Input              | Auto-sensing 100 to 240VAC, 50 / 60Hz |       |     |       |     |     |
| Max. Consumption : |                                       |       |     |       |     |     |
| Screen on          | 100W                                  | 335W  | 68W | 220W  | 56W | 53W |
| Saving mode        | 9W                                    |       |     |       |     |     |
| Button off         | 2W                                    |       |     |       |     |     |

| 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 1.2 / HDCP 1.3                          |
| HDMI         | HDMI 2.0 / HDCP 2.2<br>HDMI 1.4 / HDCP 1.4 |

| Display port input |                                                                                                                                                                                                                                                      |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PC signal          | 3840 x 2160 x 60Hz<br>2560 x 1440 x 60Hz<br>1920 x 1080 x 60Hz<br>1920 x 1200 x 60Hz<br>1600 x 1200 x 60Hz<br>1280 x 1024 x 60 / 75Hz<br>1024 x 768 x 60 / 70 / 75Hz<br>800 x 600 x 60 / 72 / 75Hz<br>720 x 400 x 70Hz<br>640 x 480 x 60 / 72 / 75Hz |
| Audio signal       | 2ch Linear PCM                                                                                                                                                                                                                                       |

| Audio                    |                   |
|--------------------------|-------------------|
| 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

| HDMI input           |                                                                                                                                                                                                  |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| HDMI 2.0 / PC signal | Same as Display port                                                                                                                                                                             |
| HDMI 1.4             | 3840 x 2160 x 30 Hz<br>2560 x 1440 x 60 Hz<br>1920 x 1080 x 50 / 60Hz ( 1080p )<br>1920 x 1080 x 25 / 30Hz ( 1080i )<br>1280 x 720 x 50 / 60Hz ( 720p )<br>720 x 480 x 50 / 60Hz ( 576p / 480p ) |
| 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 &amp; Weight

| K55"                     |      | AP-K55            | NAP-K55            | DP-K55            | OP-K55            |
|--------------------------|------|-------------------|--------------------|-------------------|-------------------|
| Product<br>(W x D x H) : | mm   | 1295 x 89.3 x 776 |                    | 1269 x 83.1 x 750 | 1292 x 81.3 x 773 |
|                          | 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<br>(W x D x H) : | mm   | 1455 x 212 x 917  |                    |                   |                   |
|                          | 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   |

| K43"                     |      | AP-K43            | NAP-K43           | DP-K43            | OP-K43            |
|--------------------------|------|-------------------|-------------------|-------------------|-------------------|
| Product<br>(W x D x H) : | mm   | 1025 x 82.8 x 619 |                   | 999 x 76.8 x 593  | 1022 x 74.8 x 616 |
|                          | inch | 40.4 x 3.3 x 24.4 |                   | 39.3 x 3 x 23.3   | 40.2 x 2.9 x 24.3 |
| Net weight               |      | 31.7 kg / 69.7 lb | 37.2 kg / 81.8 lb | 29 kg / 63.8 lb   | 26.2 kg / 57.6 lb |
| Packing<br>(W x D x H) : | mm   | 1122 x 199 x 712  |                   |                   |                   |
|                          | 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   |

| K32"                     |      | AP-K32            | NAP-K32            | DP-K32            | OP-K32            |
|--------------------------|------|-------------------|--------------------|-------------------|-------------------|
| Product<br>(W x D x H) : | mm   | 780 x 88.2 x 474  |                    | 758 x 84.2 x 452  | 777 x 82.2 x 471  |
|                          | 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<br>(W x D x H) : | mm   | 910 x 195 x 580   |                    |                   |                   |
|                          | 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 |

| K27"                     |      | AP-K27            | NAP-K27           | DP-K27            | OP-K27            |
|--------------------------|------|-------------------|-------------------|-------------------|-------------------|
| Product<br>(W x D x H) : | mm   | 678 x 72.8 x 417  |                   | 656 x 66.8 x 395  | 675 x 64.8 x 414  |
|                          | inch | 26.7 x 2.9 x 16.4 |                   | 25.8 x 2.6 x 15.6 | 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<br>(W x D x H) : | mm   | 785 x 175 x 527   |                   |                   |                   |
|                          | 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 |

\* 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](mailto:inquiry@austin-hughes.com)

### Technical Support

[support@austin-hughes.com](mailto:support@austin-hughes.com)

| 4K                                                                                                                                                                    | FHD                                                                                                           |                                                                                                               | WXUGA<br>( 1920 x 1200 )                                            | Regular                                                                                                                                                                                                                                              |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"><li>● K55</li><li>● K43</li><li>● K32</li><li>● K27</li><li>● K23</li><li>● K21</li><li>● K19</li><li>● K15</li><li>● K13</li></ul> | <ul style="list-style-type: none"><li>● F55</li><li>● F43</li><li>● F32</li><li>● F27</li><li>● F23</li></ul> | <ul style="list-style-type: none"><li>● F21</li><li>● F19</li><li>● F17</li><li>● F15</li><li>● F13</li></ul> | <ul style="list-style-type: none"><li>● X24</li><li>● X19</li></ul> | <ul style="list-style-type: none"><li>● W19" ( 1440 x 900 )</li><li>● 20" ( 1600 x 1200 )</li><li>● 19" ( 1280 x 1024 )</li><li>● 17" ( 1280 x 1024 )</li><li>● 15" ( 1024 x 768 )</li><li>● 12" ( 800 x 600 )</li><li>● 10" ( 800 x 600 )</li></ul> |

## Sunlight Readable / High Brightness

| 4K                                                                                              | FHD                                                                                                           | Regular                                                                                                                                                                                                                           |
|-------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"><li>● K55</li><li>● K43</li><li>● K23</li><li>● K19</li></ul> | <ul style="list-style-type: none"><li>● F55</li><li>● F43</li><li>● F32</li><li>● F24</li><li>● F23</li></ul> | <ul style="list-style-type: none"><li>● F21</li><li>● F19</li><li>● F17</li><li>● F15</li></ul> <ul style="list-style-type: none"><li>● W19" ( 1440 x 900 )</li><li>● 19" ( 1280 x 1024 )</li><li>● 17" ( 1280 x 1024 )</li></ul> |



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