

# Regular

## Professional and Versatile LED Monitor

# UltraView

**UltraView** Regular small size LED monitor series achieve high picture quality. Improved energy efficiency and fan-less architecture provides professional-use durability and around-the-clock operation.

15"



12"



10"

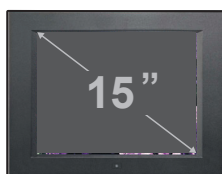


UltraView Regular professional LED is more than just a standalone monitor. UltraView has a variety of embedded modules including Multi-Monitor OSD Controller. The embedded modules give you the ability of video remote management and transmission for multiple monitors over network.

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

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

- ▶ 1024 x 768 / 800 x 600 / 640 x 480 native resolution
- ▶ 15": 16.2 M colors
- ▶ 12" & 10": 262 K colors
- ▶ VGA 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
- Multi monitor OSD control module
- Auto dimming
- Manual dimming

15" ~ 10"

Professional and Versatile LED Monitor

UltraView

6mm aluminum front bezel



AP-15  
AP-12  
AP-10

Aluminum front cover



DP-15  
DP-12  
DP-10

### Chassis customization

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

6mm aluminum front bezel  
NEMA 4 / IP65 front protection



NAP-15  
NAP-12  
NAP-10

Universal open frame



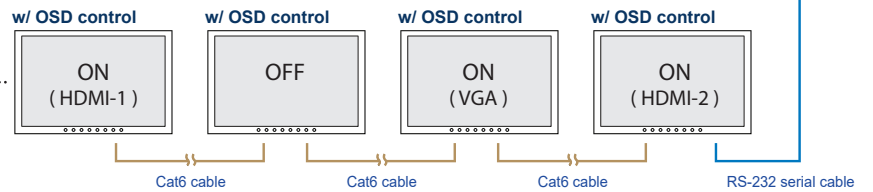
OP-15  
OP-12  
OP-10

## 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 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.

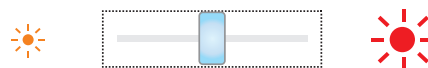
Brightness Dimming Knob : **DS-01**

### 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**



Options — Touchscreen & Glass Protection

| Touchscreen type              | 15" | 12" | 10" |
|-------------------------------|-----|-----|-----|
| Projected Capacitive 10-point | ✓   | ✓   | ✓   |
| e-Capacitive 1-point          | ✓   | ✓   | ✓   |
| e-Resistive 1-point           | ✓   | ✓   | ✓   |
| Anti-reflective Glass         |     | ✓   |     |
| Vandal Proof Glass            |     | ✓   |     |

Specification : e-Capacitive 1-point Touch

|                    | TCB e-Capacitive             |
|--------------------|------------------------------|
| Technology         | Capacitive                   |
| Touch Point        | Single                       |
| Input Type         | Finger                       |
| Resolution         | 2048 x 2048                  |
| Response Speed     | 20 ms                        |
| Activation Force   | ≤ 50 g                       |
| Surface Hardness   | 9H                           |
| Light Transmission | 92% ± 2%                     |
| Haze               | 7%                           |
| Durability         | 300 million touches          |
| Top / Bottom Layer | Glass                        |
| Thickness          | 2.8 mm ± 10%                 |
| Connector          | USB Type A                   |
| Compatibility      | Windows 7 / XP / Linux / Mac |

Part no. : TCB

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 : 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            | 1.1 mm Glass  |
| Bottom Layer         | 0.7 mm Sensor Glass                                       |
| Thickness            | 2 mm  |
| Connector            | USB   |
| Compatibility        | Windows / Linux / Android / Mac                           |

Part no. : TPC10

Options — DC Power

|               |                | 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%       |


Part no. : 12VDC  
24VDC  
48VDC  
125VDC

## Product Specifications

| LCD Panel                       | 15"                    | 12"              | 10"                |
|---------------------------------|------------------------|------------------|--------------------|
| Panel size (diagonal)           | 15"                    | 12.1"            | 10.4"              |
| Native resolution               | 1024 x 768             | 800 x 600        | 800 x 600          |
| Brightness (cd/m <sup>2</sup> ) | 350                    | 450              | 230                |
| Contrast ratio (typ.)           | 800 : 1                | 700 : 1          | 500 : 1            |
| Colors                          | 16.2 M                 | 262 K            | 262 K              |
| Viewing angle (L/R/U/D)         | 80/80/70/80            | 80/80/65/75      | 80/80/60/70        |
| Response time (ms)              | 8                      | 35               | 35                 |
| Dot pitch (mm)                  | 0.297                  | 0.3075           | 0.213              |
| Display area (mm)               | 304.128H x<br>228.096V | 246H x<br>184.5V | 211.2H x<br>158.4V |
| Surface treatment               | Haze 25%               | Anti-glare       | Anti-glare         |
| Surface hardness                | 3H                     |                  |                    |
| Backlight type                  | CCFL                   | LED              |                    |
| MTBF (hrs)                      | 50,000                 | 50,000           | 30,000             |

| Mounting                              | 15"           | 12"           | 10"           |
|---------------------------------------|---------------|---------------|---------------|
| VESA mount (bundle)                   | 100 x 100 mm  | 75 x 75 mm    | 75 x 75 mm    |
| Universal mount (ready)               | OP only       | OP only       | OP only       |
| Overhead tilted wall-mount (optional) | AP / NAP / DP | AP / NAP / DP | AP / NAP / DP |
| Desktop stand (optional)              | AP / NAP / DP | AP / NAP / DP | AP / NAP / DP |

| Power              | 15"                                   | 12" | 10" |
|--------------------|---------------------------------------|-----|-----|
| Input              | Auto-sensing 100 to 240VAC, 50 / 60Hz |     |     |
| Max. Consumption : |                                       |     |     |
| Screen on          | 12W                                   | 14W | 11W |
| Saving mode        | 4W                                    |     |     |
| Button off         | 1W                                    |     |     |

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

| Video |                |
|-------|----------------|
| VGA   | Analog 0.7Vp-p |

| Video Option    |                                     |
|-----------------|-------------------------------------|
| DVI             | DVI-D single link (for 15" / 12")   |
| HDMI            | HDMI 1.2 / HDCP 1.1 (for 15" / 12") |
| Composite (BNC) | NTSC & PAL                          |
| S-Video (4-pin) | NTSC & PAL                          |

| 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      | 2W x 2            |

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

| DVI-D / VGA input |          |                             |
|-------------------|----------|-----------------------------|
| PC signal         | 15" only | 1024 x 768 x 60 / 70 / 75Hz |
|                   | 15" only | 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 (for 15" / 12") |                                       |
|----------------------------|---------------------------------------|
| PC signal                  | Same as VGA                           |
| HDMI 1.2                   | 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 / MEEE |

## Physical Dimension &amp; Weight

| 15"                      |      | AP-15              | NAP-15           | DP-15              | OP-15              |
|--------------------------|------|--------------------|------------------|--------------------|--------------------|
| Product<br>(W x D x H) : | mm   | 407 x 59.1 x 313.6 |                  | 376 x 54.4 x 282.6 | 404 x 53.1 x 310.6 |
|                          | inch | 16 x 2.3 x 12.3    |                  | 14.8 x 2.1 x 11    | 15.9 x 2.1 x 12.2  |
| Net weight               |      | 4.7 kg / 10.3 lb   | 4.7 kg / 10.3 lb | 4.1 kg / 9 lb      | 3.5 kg / 7.7 lb    |
| Packing<br>(W x D x H) : | mm   | 615 x 113 x 523    |                  |                    |                    |
|                          | inch | 24.2 x 4.4 x 20.6  |                  |                    |                    |
| Gross weight             |      | 7.3 kg / 16.1 lb   | 7.3 kg / 16.1 lb | 6.7 kg / 14.7 lb   | 6.1 kg / 13.4 lb   |

| 12"                      |      | AP-12              | NAP-12           | DP-12              | OP-12              |
|--------------------------|------|--------------------|------------------|--------------------|--------------------|
| Product<br>(W x D x H) : | mm   | 344.7 x 68.2 x 256 |                  | 313.7 x 63.5 x 255 | 341.7 x 62.2 x 253 |
|                          | inch | 13.6 x 2.7 x 10.1  |                  | 12.4 x 2.5 x 10    | 13.5 x 2.5 x 10    |
| Net weight               |      | 3.5 kg / 7.7 lb    | 3.5 kg / 7.7 lb  | 3 kg / 6.6 lb      | 2.5 kg / 5.5 lb    |
| Packing<br>(W x D x H) : | mm   | 515 x 117 x 429    |                  |                    |                    |
|                          | inch | 20.3 x 4.6 x 16.9  |                  |                    |                    |
| Gross weight             |      | 5.5 kg / 12.1 lb   | 5.5 kg / 12.1 lb | 5 kg / 11 lb       | 4.4 kg / 9.7 lb    |

| 10"                      |      | AP-10              | NAP-10           | DP-10              | OP-10              |
|--------------------------|------|--------------------|------------------|--------------------|--------------------|
| Product<br>(W x D x H) : | mm   | 284.7 x 62.8 x 222 |                  | 253.7 x 58.1 x 191 | 281.7 x 56.8 x 219 |
|                          | inch | 11.2 x 2.5 x 8.7   |                  | 10 x 2.3 x 7.5     | 11.1 x 2.2 x 8.6   |
| Net weight               |      | 2.6 kg / 5.7 lb    | 2.6 kg / 5.7 lb  | 2.2 kg / 4.8 lb    | 1.8 kg / 4 lb      |
| Packing<br>(W x D x H) : | mm   | 515 x 117 x 429    |                  |                    |                    |
|                          | inch | 20.3 x 4.6 x 16.9  |                  |                    |                    |
| Gross weight             |      | 4.6 kg / 10.1 lb   | 4.6 kg / 10.1 lb | 4.2 kg / 9.2 lb    | 3.7 kg / 8.1 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

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

### FHD

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

### Regular

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

### Americas

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