

4K UHD

UltraView

Professional and Versatile LED Monitor

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, IP54 Front protection, Multi-touch, 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

- ▶ 3840 x 2160@60Hz native UHD resolution
- ▶ 1920 x 1080 & 1920 x 1200 resolution support
- ▶ 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)
- ▶ Dark aluminum chassis color

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
- Auto-dimming
- HDMI decoder & extender
- 3G / HD / SD-SDI Input Module
- 12G / 4K60 / SD-SDI input Module

Standard Brightness

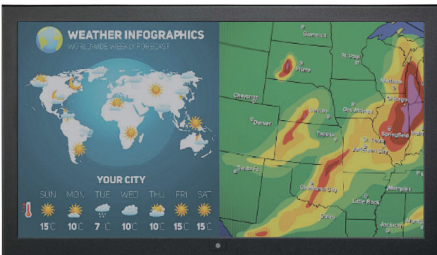
6mm aluminum front bezel



**AP-K55
AP-K43
AP-K32
AP-K28**

* AP-K55 applies 8mm bezel

6mm aluminum front bezel
NEMA 4 / IP65 front protection



**NAP-K55
NAP-K43
NAP-K32
NAP-K28**

* NAP-K55 applies 8mm bezel

Aluminum front cover



**DP-K55
DP-K43
DP-K32
DP-K28**

Universal open frame



**OP-K55
OP-K43
OP-K32
OP-K28**

Chassis customization

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

700 cd/m² High Brightness

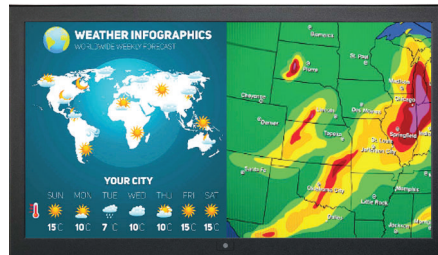
6mm aluminum front bezel



**HAP-K55
HAP-K43**

* HAP-K55 applies 8mm bezel

6mm aluminum front bezel
NEMA 4 / IP65 front protection



**NHAP-K55
NHAP-K43**

* NHAP-K55 applies 8mm bezel

Aluminum front cover



**HDP-K55
HDP-K43**

Universal open frame



**HOP-K55
HOP-K43**

Options — Touchscreen

| Touchscreen type | K55 | K43 | K32 | K28 |
|-------------------------------|-----|-----|-----|-----|
| Projected Capacitive 10-point | ✓ | ✓ | ✓ | |
| Infrared 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

- * Not applicable to NAP series
- ** Dimension change required

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 (for K55 / K43 / K32)

- * Not applicable to AP & NAP series
- ** Dimension change required

Options — DC Power

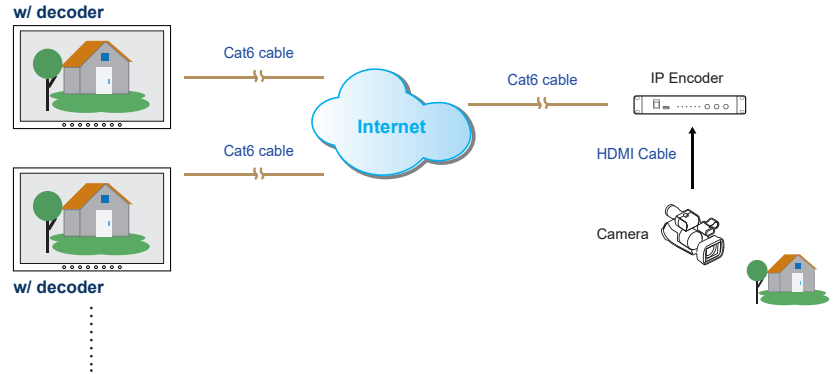
| | | 24V | 48V | 125V |
|---------------|----------------|----------|----------|-----------|
| Input rating | Input voltage | 24-Volt | 48-Volt | 110-Volt |
| | Input range | 18 ~ 36V | 36 ~ 75V | 66 ~ 160V |
| Input current | No load | 50 mA | 50 mA | 40 mA |
| | Full load | 4880 mA | 2442 mA | 993 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



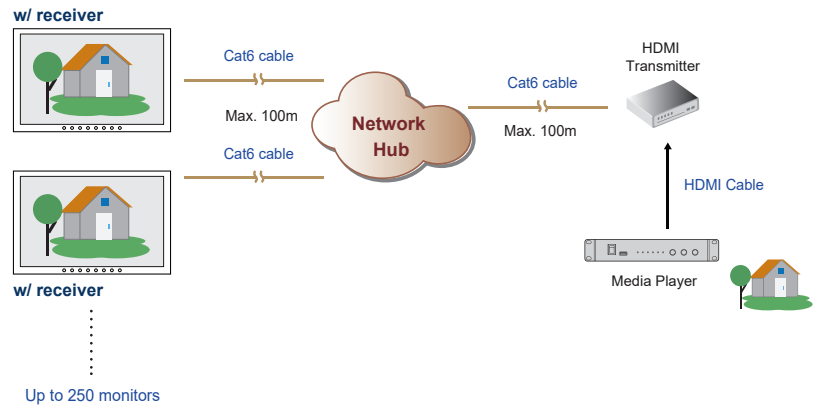
Part no.

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



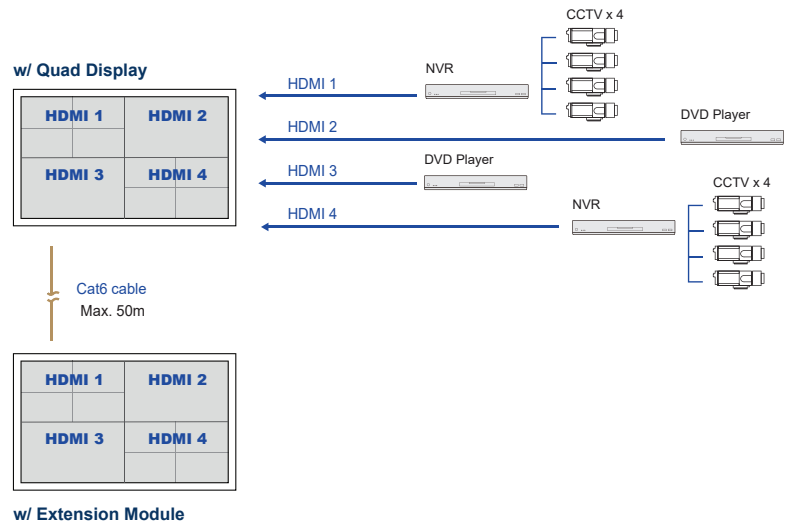
Part no.

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**

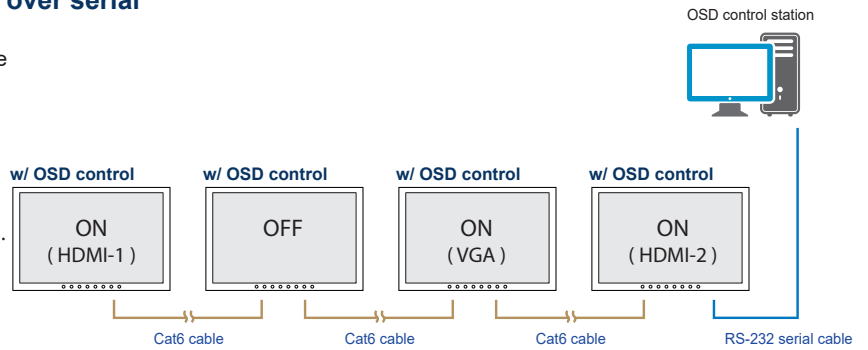
Embedded Quad Display Extension Module : **QD-E1080**

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**

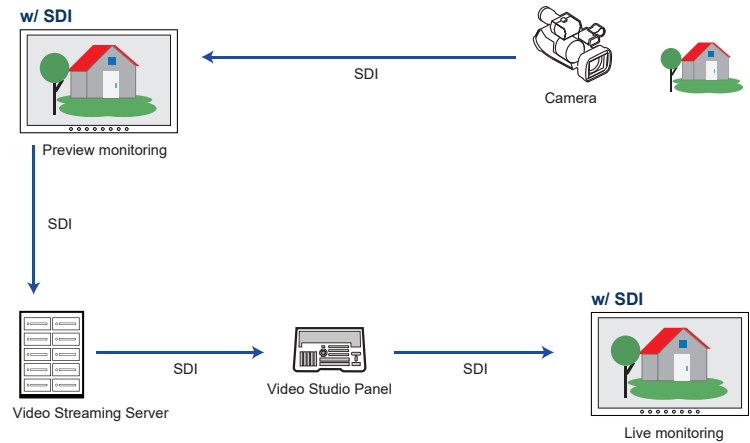
Embedded 3G / HD / SD-SDI Input Module
Embedded 12G / 4K60 / SD-SDI Input Module

- 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.

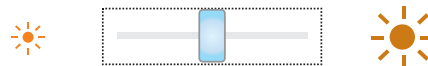
Embedded Portrait Mode Module : **AD4.0-P**

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 | K28 |
|---------------------------------|----------------------|----------|---------------------|----------|------------------|-------------------|
| Panel size (diagonal) | 55" | | 43" | | 31.5" | 28" |
| Native resolution | 3840 x 2160@60Hz | | | | | |
| Brightness (cd/m ²) | 450 | 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 | | | | 85/85/80/80 | |
| Response time (ms) | 12 | | 12 | | 20 | 5 |
| Dot pitch (mm) | 0.315 | | 0.2451 | | 0.181 | 0.181 |
| Display area (mm) | 1209.60H x 680.4V | | 941.184H x 529.416V | | 698.4H x 392.85V | 620.93H x 341.28V |
| Surface treatment | Anti-glare | | | | | |
| Surface hardness | 2H | | | 3H | | |
| Backlight type | LED | | | | | |
| MTBF (hrs) | 30,000 | | 30,000 | 50,000 | 30,000 | 30,000 |

| Mounting | K55 | H-K55 | K43 | H-K43 | K32 | K28 |
|---------------------------------------|---------------|-------|---------------|-------|---------------|---------------|
| 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 | K28 |
|--------------------|---------------------------------------|-------|-----|-------|-----|-----|
| Input | Auto-sensing 100 to 240VAC, 50 / 60Hz | | | | | |
| Max. Consumption : | | | | | | |
| Screen on | 100W | 335W | 68W | 220W | 56W | 52W |
| Saving mode | 9W | | | | | |
| Button off | 2W | | | | | |

| Design | AP | NAP | DP | OP |
|-------------|-----------------------|---------------|-------------|------------|
| Protection | 6mm / 8mm 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 HDMI 1.4 / HDCP 1.4 |

| Display port input | |
|--------------------|--|
| PC signal | 3840 x 2160 x 60Hz 1920 x 1080 x 60Hz 1920 x 1200 x 60Hz 1600 x 1200 x 60Hz 1280 x 1024 x 60 / 75Hz 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 | |
|--------------------------|-------------------|
| 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 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 |

Product Specifications

| Environment | |
|------------------------|----------------------------------|
| Operating temp. | 0 to 55°C degree |
| Storage temp. | -20 to 60°C degree |
| Operating humidity | 20~90%, 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 certified |
| Safety | CE / LVD certified |
| Environment | RoHS3 & REACH compliant |

Physical Dimension & Weight

| K55" | | AP-K55 | NAP-K55 | DP-K55 | OP-K55 |
|-----------------------|------|-------------------|--------------------|-------------------|-------------------|
| 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 |
| | 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 | | | |
| | 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 (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 (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 (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 (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 |

| K28" | | AP-K28 | NAP-K28 | DP-K28 | OP-K28 |
|-----------------------|------|--------------------|-------------------|--------------------|--------------------|
| 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 |
| | inch | 27.7 x 2.8 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 | | | |
| | 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