

## 2U Multi-Display Drawer

### Model: NP3D/2D Series



#### Key Benefits

- 2U 22" short depth design
- Light weight
- Rugged construction for mobility & durability
- Built-in solid bearing slide rails
- Built-in dual stereo speaker ( per display )
- Four LED backlit display selections ( 4K, WUXGA, FHD, 4:3 )
- DVI-D + VGA video input for WUXGA, FHD & 4:3 ( per display )
- Display port 1.2 video input with attached 6 ft DP cable for 4K ( per display )
- Fits 24" ~ 36" rack via adjustable mounting brackets
- 2-year standard warranty ( upgradable up to 5 years )
- TAA Compliant

#### Options

- DC power : 12V / 24V / 48V / 125V / 250V
- 3G / HD / SD-SDI Broadcast-grade input
- Sunlight readable LCD for 17" FHD & 19" 4:3
- Touchscreen
- HDMI video input

#### Models



|       |                  |              |
|-------|------------------|--------------|
| 17"   | <b>4K</b><br>UHD |              |
| 17"   | <b>1080p</b>     | <b>60 Hz</b> |
| 16.2" | <b>1920</b>      | <b>1200</b>  |
| 19"   | <b>1280</b>      | <b>1024</b>  |

NP2DW17e-4k-L

NP2DW17e-L

NP2DW16-L

NP2D19e-L

NP3DW17e-4k

NP3DW17e

NP3DW16

NP3D19

NP2DW17e-4k-R

NP2DW17e-R

NP2DW16-R

NP2D19e-R

## Specifications

| LCD Panel                                     | NPXDW17e-4k       | NPXDW17e                 | NPXDW16                  | NPXD19                 |
|-----------------------------------------------|-------------------|--------------------------|--------------------------|------------------------|
| Native resolution                             | 3840 x 2160       | 1920 x 1080              | 1920 x 1200              | 1280 x 1024            |
| Panel size (diagonal)                         | 17.3"             | 17.3"                    | 16.2"                    | 19"                    |
| Refresh rate (Hz)                             | 60                | 60                       | 60                       | 60 / 75                |
| Standard Brightness (cd/m <sup>2</sup> )      | 400               | 300                      | 300                      | 250                    |
| High Brightness (cd/m <sup>2</sup> ) - Option | /                 | 1000                     | /                        | 1000                   |
| Contrast ratio (typ.)                         | 1000 : 1          | 1000 : 1                 | 800 : 1                  | 1000 : 1               |
| Colors                                        | 16.7 M, 8-bit     | 16.7 M, 8-bit            | 16.7 M, 8-bit            | 16.7 M                 |
| Viewing angle (L/R/U/D)                       | 89/89/89/89       | 85/85/85/85              | 89/89/89/89              | 85/85/80/80            |
| Response time (ms)                            | Max. 16           | 25                       | 30                       | 5                      |
| Dot pitch (mm)                                | 0.0995            | 0.1989                   | 0.191                    | 0.294                  |
| Display area (mm)                             | 382.12H x 214.94V | 381.888H x 214.812V      | 383.8H x 214.9V          | 337.92H x 270.33V      |
| Surface treatment                             | Anti-glare        | Anti-glare, Hard-coating | Anti-glare, Hard-coating | Haze 25%, Hard-coating |
| Surface hardness                              | 3H                |                          |                          |                        |
| Backlight type                                | LED               |                          |                          |                        |
| MTBF (hrs)                                    | 15,000            | 15,000                   | 20,000                   | 30,000                 |

| Video   | NPXDW17e-4k                                      | NPXDW17e                                                                                            | NPXDW16                                          | NPXD19                                           |
|---------|--------------------------------------------------|-----------------------------------------------------------------------------------------------------|--------------------------------------------------|--------------------------------------------------|
| Package | DP 1.2 / HDCP 1.3<br>* attached 6ft DP cable     | DVI-D + VGA                                                                                         | DVI-D + VGA                                      | DVI-D + VGA                                      |
| Option  | HDMI 2.0 / HDCP 2.2<br>* attached 6ft HDMI cable | HDMI 1.4 / HDCP 1.4<br>* attached 6ft HDMI cable<br>or DP 1.0 / HDCP 1.3<br>* attached 6ft DP cable | HDMI 1.4 / HDCP 1.4<br>* attached 6ft HDMI cable | HDMI 1.2 / HDCP 1.1<br>* attached 6ft HDMI cable |

## Capacitive Touch screen Option

|                      | NPXDW17e-4k                  | NPXDW17e | NPXDW16 |
|----------------------|------------------------------|----------|---------|
| Technology           | Projected Capacitive         |          |         |
| Touch Point          | 10 point touch standard      |          |         |
| 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%J.                         |          |         |
| Durability           | 50 million touches           |          |         |
| Top Layer            | 1.8 mm Glass                 |          |         |
| Bottom Layer         | 0.7 mm Sensor Glass          |          |         |
| Thickness            | 2.7 mm ± 0.1 mm              |          |         |
| Connector            | USB                          |          |         |
| Compatibility        | Windows 7 / XP / Linux / Mac |          |         |

## Resistive Touch screen Option

|                    | NPXDW17e-4k                  | NPXDW17e | NPXDW16      | NPXD19       |
|--------------------|------------------------------|----------|--------------|--------------|
| 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                 |          | 3.2 ± 0.2 mm | 2.2 ± 0.2 mm |
| Connector          | USB Type A                   |          |              |              |
| Compatibility      | Windows 7 / XP / Linux / Mac |          |              |              |

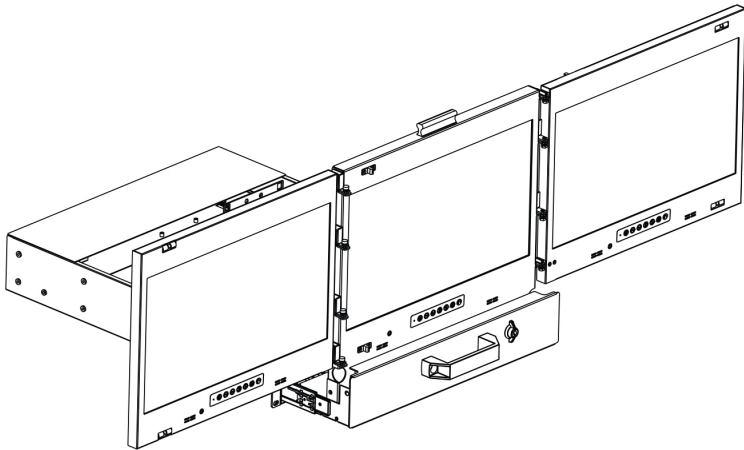
| Power                 |                  | NPXDW17e-4k                           | NPXDW17e | NPXDW16  | NPXD19   |
|-----------------------|------------------|---------------------------------------|----------|----------|----------|
| Input                 |                  | Auto-sensing 100 to 240VAC, 50 / 60Hz |          |          |          |
| Consumption per panel | Screen on        | Max. 21W                              | Max. 14W | Max. 25W | Max. 22W |
|                       | Power saving     | Max. 9W                               | Max. 2W  |          |          |
|                       | Power button off | Max. 2W                               | Max. 1W  |          |          |

| Physical            |             |                |                   |
|---------------------|-------------|----------------|-------------------|
| Product (W x D x H) | NPXDW17e-4k | mm             | 441.6 x 550 x 88  |
|                     | NPXDW17e    | inch           | 17.4 x 21.7 x 3.5 |
|                     | NPXDW16     | mm             | 441.6 x 600 x 88  |
|                     | NPXD19      | inch           | 22.8 x 23.6 x 7.8 |
| Packing (W x D x H) |             | mm             | 580 x 683 x 197   |
|                     |             | inch           | 22.8 x 26.9 x 7.8 |
| Net Weight          | NPXDW17e-4k | Triple display | 24.1 kg / 53 lb   |
|                     | NPXDW17e    |                | 19.4 kg / 42.7 lb |
|                     | NPXDW17M    | Dual display   | 25.1 kg / 55.2 lb |
|                     | NPXDW16     |                | 20.4 kg / 44.9 lb |
| Gross Weight        | NPXD19      | Triple display | 29.3 kg / 64.5 lb |
|                     | NPXDW17e-4k |                | 24.2 kg / 53.2 lb |
|                     | NPXDW17e    | Dual display   | 30.3 kg / 66.7 lb |
|                     | NPXDW17M    |                | 25.2 kg / 55.4 lb |
| Chassis color       |             | Dark           |                   |
| Chassis materials   |             | Steel          |                   |

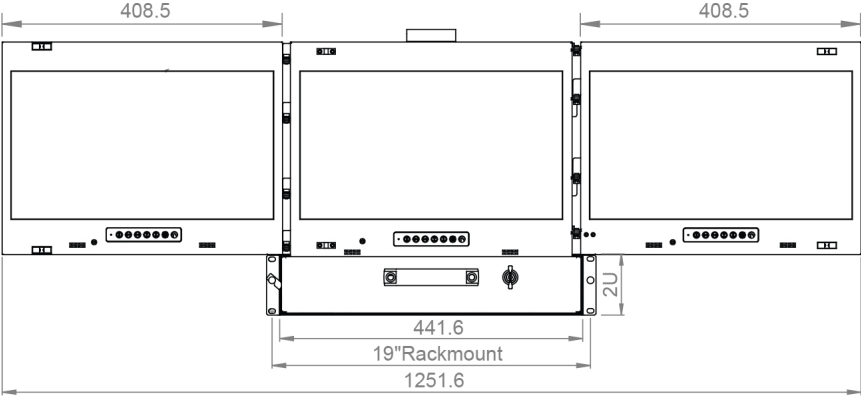
| Compliance  |                      |
|-------------|----------------------|
| EMC         | FCC & CE certified   |
| Safety      | CE / LVD certified   |
| Environment | REACH & RoHS3 / WEEE |

| 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 vibration |

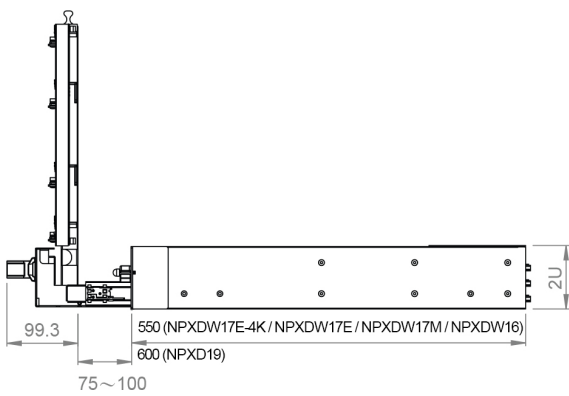
# Diagrams (mm)



Front View



Side View



Rear View

