

# 09. Specification



## ▶ Product (Normal)

| Product Name             |                               | UHD DID LCD Monitor   |                        |                                  |
|--------------------------|-------------------------------|---|------------------------|----------------------------------|
| Model Name               |                               | OLSK-8414NL   | OLSK-8424NL            | OLSK-9824NL                      |
| LCD Panel                | Manufacture                   | LG  |                        |                                  |
|                          | Back Light Type               | Direct LED  |                        |                                  |
|                          | Module Dimension (Typ.±1.0mm) | 1904.0 x 1096.0   |                        | 2187.8 x 1242.8 x31              |
|                          | Active Display Area(mm)       | 1860.48 x 1046.52   |                        | 2158.848x1214.352                |
|                          | Number of Pixels              | 3,840(H) x 2,160(V) (16:9)  |                        |                                  |
|                          | Pixel Pitch(Typ. mm)          | 0.4845 x 0.4845 1.06 Billion  |                        | 0.562 x 0.562                    |
|                          | Display Colors                | (10bits)  |                        |                                  |
|                          | Luminance of White(Typ.)      | 350 cd/m2   | 500 cd/m2              |                                  |
|                          | Contrast Ratio(Typ.)          | 1,600 : 1   | 1,400:1                | 1,300:1                          |
|                          | Surface Treatment             | Hard coating(3H), Anti-glare(Haze 10%)                                      |                        | Anti-reflection,Hard coating(2H) |
|                          | Operating Life Tme(Typ.)      | 50,000Hrs (Ta : 25)   |                        | 30,000Hrs(Ta:25)                 |
|                          | Environmental condition       | Temperature   | 5 °C ~ 35 °C           |                                  |
| Humidity                 |                               | 35% ~ 75%   |                        |                                  |
| Input Signal             | Support Resolution            | 720P/1080i/1080p/UHD(24p/25p/30p)   |                        |                                  |
|                          | HDCP                          | Support   |                        |                                  |
| Input Terminal           | Frequency                     | H : 20~82 kHz, V : 55 ~ 90 Hz, 3840x2160@30Hz                               |                        |                                  |
|                          | Input                         | DP x 1, HDMI x3, DVI x 1, PC x 1, RS-232C x 1, LAN x1, IR x 1,USB Media x 1 |                        |                                  |
| Speakers                 | 8Ω 10W x 2                    |   |                        |                                  |
| Power Supply             | AC100V ~ 240V±10% (50/60Hz)   |   |                        |                                  |
| Power Consumption        | Max                           | 470W  | 540W                   |                                  |
|                          | Typical                       | 440W  | 510W                   |                                  |
|                          | Stand-By                      | 0.5W  |                        |                                  |
| Dimension (W X H X D mm) | 1917x1103x95                  |   | 2219.4 x 1274.4 x 97.5 |                                  |
| VESA Mounting            | 600 x 400                     |   | 800 x 400              |                                  |
| Orientation              | Landscape                     | Portrait / Landscape  | Portrait / Landscape   |                                  |
| Weights                  | 72Kg(±0.5Kg)                  | 72Kg(±0.5Kg)  | 95Kg(±0.5Kg)           |                                  |

\*Product design and specification can be changed for quality improvement without prior notice.

## ▶ Product (Touch)

| Product Name             |                               | UHD DID TOUCH LCD Monitor  |              |  |
|--------------------------|-------------------------------|--|--------------|--|
| Model Name               |                               | OLSK-8414T6L   | OLSK-8424T6L |  |
| LCD Panel                | Manufacture                   | LG   |              |  |
|                          | Back Light Type               | Direct LED   |              |  |
|                          | Module Dimension (Typ.±1.0mm) | 1904.0 x 1096.0  |              |  |
|                          | Active Display Area(mm)       | 1860.48 x 1046.52  |              |  |
|                          | Number of Pixels              | 3,840(H) x 2,160(V) (16:9)   |              |  |
|                          | Pixel Pitch(Typ. mm)          | 0.4845 x 0.4845  |              |  |
|                          | Display Colors                | 1.06 Billion (10bits)  |              |  |
|                          | Luminance of White(Typ.)      | 350 cd/m2  | 500 cd/m2    |  |
|                          | Contrast Ratio(Typ.)          | 1,600 : 1  | 1,400        |  |
|                          | Surface Treatment             | Hard coating(3H), Anti-glare(Haze 10%)   |              |  |
|                          | Operating Life Tme(Typ.)      | 50,000Hrs (Ta : 25±2)  |              |  |
|                          | Environmental condition       | Temperature  | 5°C ~ 35°C   |  |
| Humidity                 |                               | 35% ~ 75%  |              |  |
| Input Signal             | Support Resolution            | 720P/1080i/1080p/UHD(24p/25p/30p)  |              |  |
|                          | HDCP                          | Support  |              |  |
| Input Terminal           | Frequency                     | H : 20~82 kHz, V : 55 ~ 90 Hz, 3840x2160@30Hz  |              |  |
|                          | Input                         | DP x 1, HDMI x3, DVI x 1, PC x 1, RS-232C x 1, LAN x1, IR x 1,USB Media x 1, USB x 1(Touch only) |              |  |
| Power Supply             | AC100V ~ 240V±10% (50/60Hz)   |  |              |  |
| Power Consumption        | Max                           | 470W   |              |  |
|                          | Typical                       | 440W   |              |  |
|                          | Stand-By                      | ≤ 0.5 W  |              |  |
| Touch Function           | Support (IR Type 6 Point)     |  |              |  |
| Dimension (W X H X D mm) | 1928.6 X 1113.6 X 107.8 mm    |  |              |  |
| VESA Mounting            | 600x400                       |  |              |  |
| Orientation              | Landscape                     | Portrait / Landscape   |              |  |
| Weights                  | 95 ± 0.5 kg                   |  |              |  |

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## ▶ Product (Touch)

|                                 |                                 |  |
|---------------------------------|---------------------------------|--|
| <b>Product Name</b>             |                                 | <b>UHD DID Touch Monitor</b>   |
| <b>Model Name</b>               |                                 | <b>OLSK-9854TL</b>   |
| <b>LCD Panel</b>                | <b>Manufacture</b>              | <b>LG</b>  |
|                                 | <b>Back Light Type</b>          | Direct LED   |
|                                 | <b>Outline Dimension(mm)</b>    | 2187.8(H) x 1242.8(V) x 31(D)  |
|                                 | <b>Display Area(mm)</b>         | 2158.848(H)x1214.352(V)  |
|                                 | <b>Number of Pixels</b>         | 3840x2160  |
|                                 | <b>Pixel Pitch(mm)</b>          | 0.562x 0.562   |
|                                 | <b>Display Colors</b>           | 10 bit(D), 1.06Billion colors  |
|                                 | <b>Luminance of White(Typ.)</b> | 500 cd/m <sup>2</sup>  |
|                                 | <b>Contrast Ratio(Typ.)</b>     | 1,300: 1   |
|                                 | <b>Surface Treatment</b>        | Anti-reflection, Hard coating(2H)  |
|                                 | <b>Operating Life Tme(Typ.)</b> | 30,000Hrs (Ta; 25)   |
| <b>Environmental condition</b>  | <b>Temperature</b>              | 5 °C ~ 35 °C   |
|                                 | <b>Humidity</b>                 | 35% ~ 75%  |
| <b>Input Signal</b>             | <b>Support Resolution</b>       | 720P/1080i/1080p/UHD(24p/25p/30p)  |
|                                 | <b>HDCP</b>                     | Support  |
| <b>Input Terminal</b>           | <b>Frequency</b>                | H : 20~82 kHz, V : 55~90 Hz, 3840x2160@30Hz                                  |
|                                 | <b>Input</b>                    | DP x 1, HDMI x3, DVI x 1, PC x 1, RS-232C x 1, LAN x1, IR x 1, USB Media x 1 |
| <b>Speakers</b>                 |                                 | 8Ω 10W x 2   |
| <b>Power Supply</b>             |                                 | AC100V~240V±10%(50/60Hz)   |
| <b>Power Consumption</b>        | <b>Max</b>                      | 540W   |
|                                 | <b>Typical</b>                  | 510W   |
|                                 | <b>Stand-By</b>                 | ≤ 0.5W   |
| <b>Dimension (W X H X D mm)</b> |                                 | 2249.4 x 1304.4 x 119.3  |
| <b>VESA Mounting</b>            |                                 | 800x400  |
| <b>Orientation</b>              |                                 | Landscape/Portrait   |
| <b>Weights</b>                  |                                 | 150 Kg(±0.5 Kg)  |

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## ▶ Input Specifications

| Terminal Name  | Terminal Spec.        | Signal Spec.  | Input         |     | Remark                            |
|----------------|-----------------------|---------------|---------------|-----|-----------------------------------|
|                |                       |               | Terminal Type | Qty |                                   |
| <b>DP</b>      | Standard DisplayPort  | DP1.1         | Female        | 1   |                                   |
| <b>HDMI</b>    | HDMI Type A           | HDMI1.4       | Female        | 3   | Auto Sleep & Wake up, Support CEC |
| <b>DVI</b>     | DVI-D 24Pin           | DVI-I         | Female        | 1   | Auto Sleep & Wake up              |
| <b>PC</b>      | D-Sub 15Pin           | 0.7Vp-p/75ohm | Female        | 1   | Auto Sleep & Wake up              |
| <b>Audio</b>   | Stereo Mini Jack 3.5Φ | PC Phone In   | Female        | 1   |                                   |
| <b>RS-232C</b> | D-Sub 9Pin            |               | Female        | 1   |                                   |
| <b>LAN</b>     | RJ45                  | 10/100 BASE-T | Female        | 1   |                                   |
| <b>IR</b>      | Stereo Mini Jack 3.5Φ |               | Female        | 1   | IR Extender Option                |
| <b>USB</b>     | USB Type A            | Media         |               | 1   |                                   |

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### Note

- The power indicator LED color is green in normal state, Blinking red in stand-by and power saving state.
- This display offers a power management feature that is enabled by default, and that can be used to automatically transition from On Mode to Sleep Mode.
- CEC support for "One Touch Play" and "System Standby"