

14 inch Essential Display

Secondary 3D display, education, quick demos.
4K/60Hz glasses-free 3D display with structured-light eye tracking, microlens-array optics, and physical plus Type-C 2D/3D switching.

- Essential Series
- Small size
- Microlens array
- Structured-light tracking
- 4K / 60Hz

Essential

3D content preferred

14”



MODEL	
Model	14 inch Essential Display
Series	Essential Series
Recommended role	Secondary 3D display, education, quick demos
Screen size	14 inch
Optical grating	Microlens array
Active area	309.8 x 174.3 mm
Overall dimensions	335 x 227 x 29.5 mm
Case & color	Metal, black
Weight	Net weight approx. 2.5 kg / gross weight approx. 3.2 kg
Shipping dimensions	Estimated by project logistics
Installation method	Desktop stand / VESA mounting

LCD PANEL	
Resolution	3840 x 2160 (4K)
Single-eye 3D resolution	1920 x 2160
Refresh rate	60 Hz
Brightness	350 cd/m2
Contrast ratio	1500:1
Response time	25 ms (max. 30 ms)
Color gamut	99% typ.
Viewing angle	178 deg / 178 deg

3D PARAMETERS	
Optical grating	Microlens array
Eye-tracking system	Structured light
Best viewing distance	45 cm
Viewing angle	+/- 30 deg
Lenticular transmittance	93% typ.
Crosstalk	< 2.5%
2D / 3D switching mode	Physical switch and Type-C serial control
Serial control	115200 baud hex command mode

I/O, POWER & ENVIRONMENT

Video interface	1 x HDMI
USB / control interface	1 x Type-C 1.4
Power adapter	12V / 3A
Input voltage	100V - 240V AC, 50/60Hz
Typical power consumption	28W
Standby power consumption	< 5W
Warranty	1-year full-unit warranty; 3-year panel warranty

Accessories

Display unit x 1; stand base x 1; 12V / 3A power adapter x 1; 0.5 m HDMI Type-A cable x 1; manual and warranty card x 1.

Configuration note

Check final ports, bundle contents, and mounting accessories against the purchase configuration before shipment documentation.

Contact

3dv.io / shop.3dv.io / Request demo and model guidance at 3dv.io/request-demo/