

32 inch Essential Display

Shared 3D display for labs, classrooms, showrooms.
4K/60Hz glasses-free 3D all-in-one display with
structured-light eye tracking, microlens-array optics,
MTK9632 media hardware, Wi-Fi, RJ45, TF card, and
wall-mount hardware.

Essential Series

Large size

Microlens array

MTK9632 media hardware

4K / 60Hz

Essential

3D content preferred

32"



MODEL

Model	32 inch Essential Display
Series	Essential Series
Recommended role	Shared 3D display for labs, classrooms, showrooms
Screen size	32 inch
Optical grating	Microlens array
Active area	699.8 x 395.1 mm
Overall dimensions	731.4 x 426 x 42.8 mm; wall mount adds 8 mm
Case & color	Aluminum alloy / sheet metal, star gray or black
Weight	Net 6.9 kg body + 1.4 kg wall plate / gross 9.9 kg
Shipping dimensions	830 x 536 x 160 mm carton
Installation method	Wall mount included

LCD PANEL

Resolution	3840 x 2160 (4K)
Refresh rate	60 Hz
Backlight	LED
Brightness	300 cd/m2
Contrast ratio	4000:1
Response time	<= 6.5 ms
Display colors	16.7M colors
Viewing angle	89 / 89 / 89 / 89 deg (CR >= 10)
Backlight life	> 30,000 hrs
Display mode	a-Si TFT-LCD, normally black, transmissive

3D PARAMETERS

Optical grating	Microlens array
Eye-tracking system	Structured light
3D image preset method	Laser lithography imaging
3D optical transmittance	89%
Continuous viewing angle	55 deg
Display depth	30 cm
2D / 3D switching mode	All-in-one 3D display mode

I/O, POWER & ENVIRONMENT

Input terminals	2 x HDMI, 2 x USB 2.0, RJ45, TF card
Input voltage	90V - 260V AC, 50/60Hz
Power consumption	60W
Operating temperature	0 - 50 C
Storage temperature	-20 - 60 C
Operating humidity	20 - 80% RH, non-condensing
Maximum daily operation	18 hours/day

Accessories

Remote control x 1; power cord x 1;
battery x 1; certificate x 1; manual x 1;
warranty card x 1; wall mount 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/