

MOPIC Dhaula

15.6" Light Field 3D Display



MOPIC

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15.6" Light Field 3D Display Dhaula

The 15.6" light field 3D display 'Dhaula' boasts the best 3D performance. MOPIC Dhaula provides a three-dimensional viewing experience without wearing 3D glasses by combining precise 3D optical lens on the flat display panel and eye tracking camera are added to.

It is designed to cover both 3D lens and eye-tracking camera, protecting the lens from scratches. It has a compact 15.6-inch size, portability, and VESA mounts anywhere, allowing users to add Dhaula to their lifestyle without difficulty.

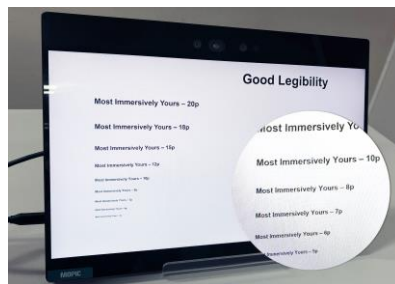


You Can Use Dhaula Anytime, Anywhere

- ✓ Compatible with all 3D graphics, 3D cameras, and 3D-based metaverse content.
- ✓ The plug-and-play operation makes the 3D experience a breeze.
- ✓ The bright screen is over 300 nit and rarely affected by ambient light. Therefore, it's easier to see the screen even in bright areas.



90 FPS Eye-tracking



High-legibility



Low-Crosstalk

Our greatest product is our technical expertise

- ✓ The 90fps high-speed eye tracking provides consistent stereoscopic images even with user movements.
- ✓ The ultra-precision optical lens is coupled to the high-resolution display panel, and a dithering algorithm is applied to read up to 5pt of small text.
- ✓ X-talk is very low, which interferes with 3D immersion.

Dhaulta is used in various industries

Buy Dhaulta and fully consider whether it can be combined with your business or system! It can be customized for bulk purchases or customer requirements.



Digital Transformation for Microscope & Medical Education

- ✓ The solution is Dhaulta, an innovative product that allows you to see your sample in a natural way without bending your neck. The 3D stereo image acquisition is done by connecting a pair of cameras to the eyepieces.
- ✓ By showing stereoscopic images of endoscopic surgery, the educational effect of medical residents or trainees can be enhanced. We provide software to play Side by Side 3D videos in real-time.

Monitor for 3D shooting & 3D Streaming

- ✓ The ability to stream 3D video in real-time provides a precise view of the remote environment, increasing productivity and contributing to future mobility development.
- ✓ Dhaulta is the most complete virtual reality viewer in the world. It's the easiest way to check the three-dimensional effect of the 3D VR video you took. You don't need to wear HMD to see how the video looks in 3D.

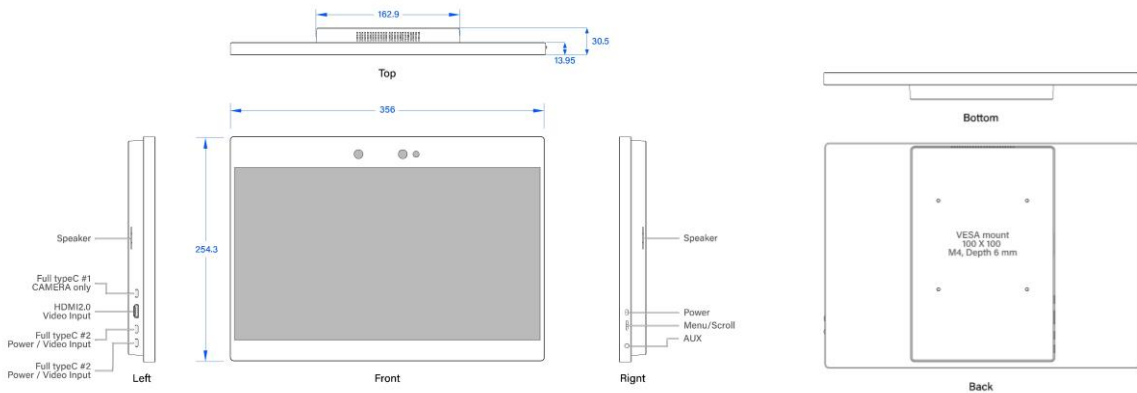
Viewer for 3D Model

- ✓ When observing complex molecular structures in three dimensions, the researcher's visual perception is faster than when observing them in two dimensions. The molecular visualization program PyMOL and Dhaulta can be used together.
- ✓ If you have patient 3D scan data, you can use Dhaulta to show the scans in a more realistic way, which may increase the patient's consent to treatment.

Development 3D Software

- ✓ The MOPIC SDK is a great tool that allows customers to develop their own 3D software that works with Dhaulta. The SDK extracts the optimal three-dimensional effect from the customer's 3D content.

SPECIFICATION



Display

Screen Diagonal	396 mm (15.6")
Input Resolution	4K UHD(3840 x 2160)
Aspect Ratio	16:09
Refresh Rate	60Hz
Color Depth	16.7M
Color Space	Adobe RGB 100%
Contrast(Typ)	1500:1
Display Mode	IPS
BLU Type	Edge

3D

3D Lens	MOPIC LF Lenticular Lens
3D lens Material	PET, Glass, UV Resin
Brightness (Typ)	320cd/m2
Optimal Viewing Distance(OVD)	430mm
Recommended Viewing Distance	330mm~630mm
Recommended Viewing Angle	55 degree
Eye-tracking Angle	79 degree
Number of Views	stereo(2)
Crosstalk @ OVD	3.58%(@500mm)
3D Image Rate	60FPS
Eye-Tracking Rate	90FPS
3D Resolution	1.6pixel
2D/3D Switchable	No

Sensor

Eye-tracking	Intel RealSense D435
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Connection

Video input	1 x HDMI 2.0, 2 x USB 3.1
Data interfacing	1 x USB 3.1
Audio	Audio Line Out
Speaker	2 x 2W

Power

Type (Internal/External)	External Adaptor
Power Supply Type	PD 25W
Power Consumption (Max)	20W

Dimension

Dimensions Without Stand	356(H) x 254.3(V) x 30.5(D) mm
Shipping Dimensions	415(H) x 280(V) x 60(D) mm

Weight

Weight Without Stand	1.4 kg
Shipping Weight	2.2 kg

Minimum PC requirement

CPU	Intel i7, 10th gen or better
GPU	Nvidia GeForce RTX 2080 Ti or GeForce RTX 30xx
OS Version	Windows10 1903(May 2019 update) or later
RAM	16GB dual channel or better
GPU Memory	6GB or better

Warranty & Support

1 year