IQH 3D™
Glasses - Free 3D

Single View Glasses Free 3D Monitor

With Eye-Tracking Technology

Highlights:

✓ Single view 3D with eye-tracking technology

✓ Extremely high-quality 3D image and ever maximum clarity, sharpness, with no cross talk, no ghost image

✓ Realtime rendering delay <1/60 sec

✓ 1:1 3D depth and pop out

✓ View distance as close as 0.60m

✓ Support 4K content

✓ Interactive system available upon request
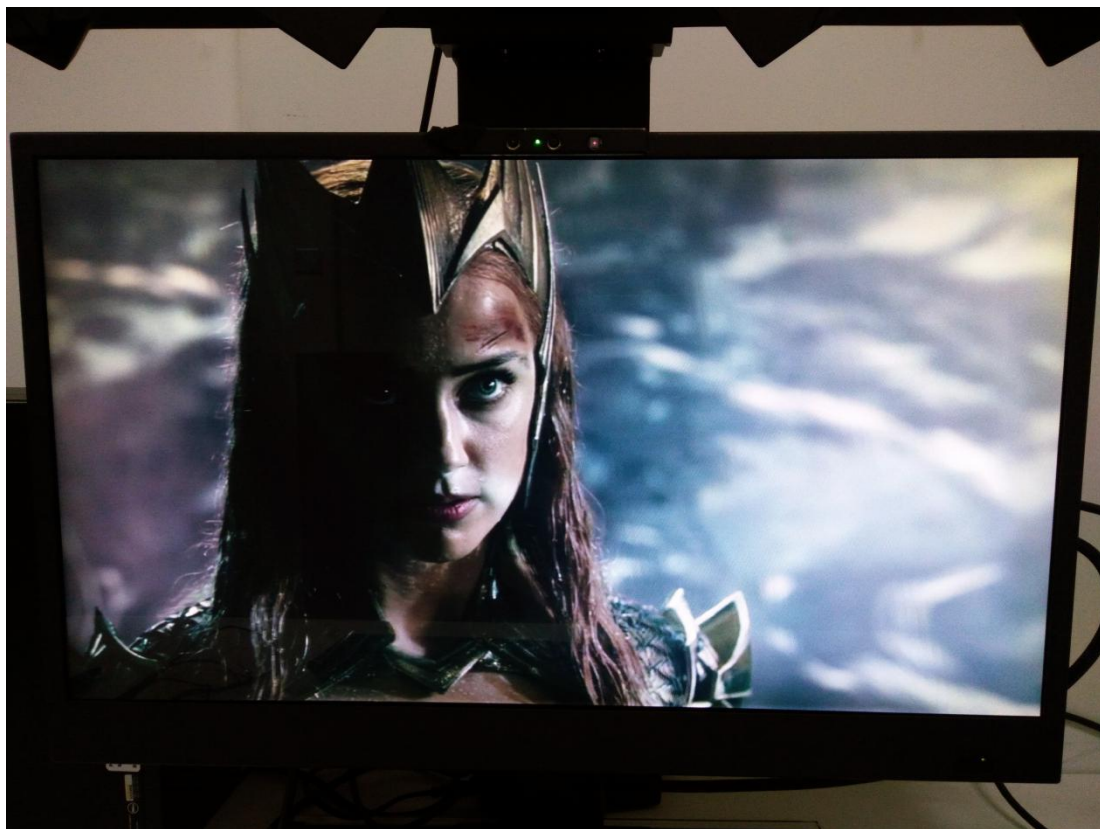
Current 3D Monitors

Multi-view- while multi-view 3D technology gives better 3D viewing angle for group watching, it limits the 3D image quality and 3D depth (pop out) in order to expand the watch angle.

Single view- single-view 3D technology delivers the best 3D image quality and 1:1 3D depth (pop out) as per the original files, it reaches the same quality as 3D screens with glasses. However, single view 3D has limited viewing angle and allows only one person to comfortably view and easily loses the view when the head is shifted slightly.

Single-view with eye-tracking technology- single-view 3D with the addition of eye-tracking technology, detects the eyes of each viewer and adjusts the view

angle accordingly, this delivers the best viewing angle and the best quality 3D images to the viewer, regardless of whether the viewer's head is shifted or not. Single view 3D with eye-tracking technology, delivers the best 3D visual experience available without losing the 3D image quality and 3D dept (pop out).

This technology is perfect for 3D gaming, AR gaming, 3D guided medical operation monitoring, short-sighted correction, 3D educational programs, 3D movie and VR content, 3D aero pilot training and practicing......

3D/AR Game

3D game based on Unity at side by side can be played with glasses free 3D, via HDMI from computer etc. It is an extremely better visual experience once you get a third dimension in the game, extremely good immersive and realistic experience. AR gaming content can be simply connected to the monitor, which converts it into glasses free 3D.

3D movie/AR content

From computer, or USB etc., you can enjoy your favorite 3D movie with extremely high-quality 3D image, pure clarity and stunning sharpness. The eye tracking system always deliver the best 3D images to you, regardless of your changing viewing angle. This is your private Imax home theatre, without the need for cumbersome glasses.

Medical operation guide monitoring and display

With real-time rendering (delay <1/60 sec) and 1:1 3D depth and pop out display, it is possible to display from dual camera endoscope guided operation, which will allow doctors to deliver easier and better operation treatment to their patients.

Correction of short sightedness

Another very important function of this monitor is to correct short-sighted eyes. Really? Yes, a specially designed 3D program with AI technology is available for exercising the eyeballs in order to get the relative muscles enhanced. This results in short-sighted correction. What the patient needs to do is to just stare on the 3D object and follow the movements over a certain time period.

Interactive 3D educational program

Numerous 3D educational programs help students with their studies, this single view glasses free 3D monitor with its intelligent interactive gesture control and light pen control, opens a new world for students to expand their imagination.

3D movie preview and editing

3D movies are dominating the market, while it is quite a headache for movie makers and visual effecters to feel the real 3D effect during cutting and editing. This single view glasses free 3D monitor is the right one to fulfill this job.

3D aero pilot training and practice

Flat monitor can never show real flying space in the sky during training program, with this 3D monitor, at 1:1 depth and pop out, the pilot can feel the real flying environment in the sky.

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This Single View 3D Monitor 28" (32"), with eye tracking system, extremely emphasizes the 3D image quality, reaches the ever-high level of 3D image clarity and sharpness, with no blurriness, no crosstalk and no ghost image.

Technical data:

Product name	Single view glasses free 3D monitor
Screen size	28" or 32" optional
No of views	Single view
Eye tracking	High accurate eye tracking sensor with dynamic XYZ viewing optimism
Interactive	Gesture control, light pen control (**optional**-available upon request)
3D game	Based on Unity 3D
3D movie format	Side by side, up and down, frame packed etc.
Interface	HDMI, USB
Input source	USB, HDMI, Computer, Blu ray DVD, PlayStation etc.
Best view distance	0.60 - 1.30m, (or as customer specified view distance MOQ 300 units)
4K content	Support
Rendering delay	<1/60 sec.

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