

**SPECIFICATIONS**  
**of**  
**Glasses Free 3D VR Monitor Interactive**

**S090L028 V1.0**

**By**

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# 1. Product Introduction

This product integrates spatial interaction functions based on the company's 28'' glasses free 3D monitor, and supports 6-DOF interactive pens. Through the SDK, Unity applications, the users can experience interactive operations by using the interactive pen.



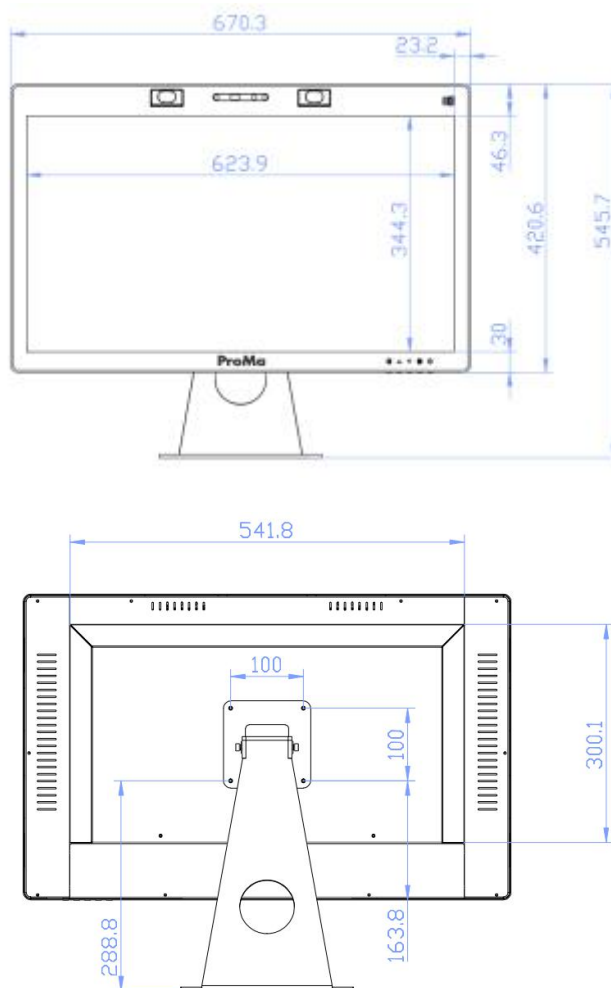
# 2. Main Specifications

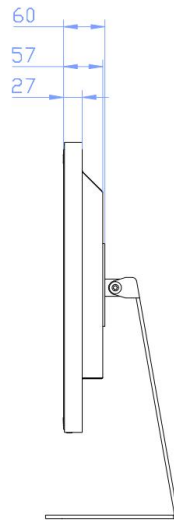
Model	S090L028
<b>LCD Screen Parameters</b>	
Effective Screen Size	648.9 (H)*369.3 (V) mm
Screen Resolution	3840 * 2160
Pixel Pitch	0.16 (H)*0.16 (V) mm
Contrast	1000:1 (typical)
Brightness	300cd/m <sup>2</sup> (typical)
Screen Ratio	16:9
Color	1.073G
Color Gamut	72% NTSC
Backlight	LED
Viewing Angle	170° (H),160° (V) (typical)
<b>Glasses Free 3D Parameters</b>	

3D Viewing Area	Support 0.6m~1.3m (best 0.9m~1.1m) Support horizontal angle 42°
Smart 2D/3D Switching	<ol style="list-style-type: none"> <li>1. Support smart 2D/3D switching</li> <li>2. Auto switch into 2D if no viewer detected in the range</li> <li>3. Auto switch into 3D if viewer is detected in the range</li> </ol>
3D Effect	<ol style="list-style-type: none"> <li>1. Using mature eye tracking glasses free 3D display technology</li> <li>2. Strong and realistic 3D effect in the tracking range</li> <li>3. Pure and clarity 3D effect, no crosstalk, no ghosting, no jitters and no other issues</li> </ol>
Tracking Method	<ol style="list-style-type: none"> <li>1. RGB image combined with depth map for accurate binocular tracking</li> <li>2. Embedded Intel real sense camera</li> <li>3. High tracking stability and good real-time performance</li> <li>4. Tracking recognition response time is short</li> <li>5. Leading image filtering algorithm</li> <li>6. Fast and accurate tracking when moving, stable image without shaking</li> </ol>
3D Processing	Using self-designed 3D image processor, no image delay
Raster Technology	Lenticular lens
Signal Source	Support 4K@60Hz signal source input, ultra-high-definition picture quality
3D Video Format	Support side by side 3D
2DVideo Format	Support common 2D video format
<b>Interactive Pen Parameters</b>	
Size	Length 168.8mm Diameter 17.15(Max)
Spatial Freedom	6-DOF
Spatial Accuracy	≤ +/- 2mm
Use Range	Width 1000-2500mm Height 630-1800mm Depth 250-1350mm
Number of Keys	3pcs
Interface	USB2.0
Infrared Camera	Resolution 1080P@30Hz
<b>Interface Parameters</b>	
HDMI Input	HDMI(*2),Support HDMI 2.0, Support 4K@60Hz signal
DP Input	DP(*2),Support DP1.1 and DP1.2, support 4K@60Hz signal
<b>Electrical Parameters</b>	
Input Voltage	AC 100 - 240V
Frequency Range	50Hz-60Hz

Maximum Power	45W
Standby Power	≤1W
Operating Temperature	0°C ~ 35°C
Working Humidity	20% ~ 90%, No condensation
Store Temperature	-20°C ~ 60°C
Store Humidity	10% ~ 90%, No condensation
<b>Physical Parameter</b>	
Size (without base)	670.3 (W) * 420.6(H) * 57.0(D)mm
Weight (without base)	
Installation Method	100*100mm VESA

### 3. Display Dimensions





## 4. Interactive Pen Dimensions

