



INTRODUCING:

Varjo XR-3 & VR-3: The highest resolution professional mixed and virtual reality HMDs.



Go VR Immersive is now Varjo's
Certified Partner and Authorized
Reseller in Hong Kong.

Varjo XR-3 and VR-3: Highest performance for every workflow.

Varjo's products allow professionals to design and modify 3D models, train in realistic environments, and create limitless research scenarios – all with the pixel-perfect clarity that only Varjo can deliver. Our products feature human-eye resolution, widest field of view, the world's most accurate integrated eye tracking, broad software compatibility, and more.

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Technical specifications

VARJO XR-3

VARJO VR-3

Display & Resolution	Full Frame Bionic Display with human-eye resolution. Focus area (27° x 27°) at 70 PPD uOLED, 1920 x 1920 px per eye Peripheral area at over 30 PPD LCD, 2880 x 2720 px per eye Colors: 99% sRGB, 93% DCI-P3	Full Frame Bionic Display with human-eye resolution. Focus area (27° x 27°) at 70 PPD uOLED, 1920 x 1920 px per eye Peripheral area at over 30 PPD LCD, 2880 x 2720 px per eye Colors: 99% sRGB, 93% DCI-P3
Field of View	Horizontal 115°	Horizontal 115°
Refresh rate	90 Hz	90 Hz
Hand tracking Comfort &	Ultraleap Gemini (v5)	Ultraleap Gemini (v5)
Wearability	3-point precision fit headband Replaceable, easy-to-clean polyurethane face cushions Automatic IPD 59-71mm	3-point precision fit headband Replaceable, easy-to-clean polyurethane face cushions Automatic IPD 59-71mm
Weight	594 g + headband 386 g	558g + headband 386 g
Connectivity	Two headset adapters in-box Two USB-C cables (5 m) in-box PC Connections: 2 x DisplayPort and 2 x USB-A 3.0+	Two headset adapters in-box Two USB-C cables (5 m) in-box PC Connections: 2 x DisplayPort and 2 x USB-A 3.0+
Positional Tracking	SteamVR™ 2.0 tracking system Varjo inside-out tracking utilizing RGB video pass-through cameras	SteamVR™ 2.0 tracking system
Eye tracking	200 Hz with sub-degree accuracy; 1-dot calibration for foveated rendering	200 Hz with sub-degree accuracy; 1-dot calibration for foveated rendering
Audio	3.5mm audio jack with microphone support	3.5mm audio jack with microphone support
Mixed reality	Ultra-low latency, dual 12-megapixel video pass-through at 90 Hz	Not available on VR-3
XR Depth	LiDAR + RGB fusion, 40 cm–5 m operating range	Not available on VR-3