

Varjo XR-4 Key Technical Specifications



DISPLAYS

PANEL RESOLUTION	4k per eye (2x 3840x3744) displays
PANEL TYPE	2 x 3.59" Mini-LED
REFRESH RATE	90 hertz
CONTRAST	1:10000 with local dimming
LUMINANCE	200 Nits
COLOR GAMUT	98% sRGB, 96% DCI-P3

OPTICS

LENS TYPE	Custom, variable resolution, full dome, aspheric optics
PPD	51 peak pixel density
FOV	120° x 105°
IPD	Automatic 56-72 mm adjustment

PASSTHROUGH

CAMERA SENSORS	2x 20-megapixel passthrough cameras
PASSTHROUGH PPD	33 peak pixel density (peripheral focus)
LATENCY	22 milliseconds
LUMINANCE	200 Nits
AMBIENT LIGHT SENSOR	RGB

DEVICE

CONNECTIVITY	1x display port + 1x USB-C
AUDIO-OUT	Spatial audio (integrated speakers) + 3.5 mm jack
AUDIO-IN	2x integrated microphones (noise cancelling)
WEIGHT	1021g
LiDAR	300 kilo pixels, 7meter range, 30 FPS
CONTROLLERS	Varjo controllers (powered by RAZER™) included

TRACKING

INSIDE-OUT	Integrated
STEAM VR™	With optional add-on
ART	Supported
OPTITRACK	Supported
EYE TRACKING	Integrated 200hz gaze tracking cameras
ERGONOMICS	Improved weight dispersal with new 'zero gravity' comfort fit