

WAVEGUIDE LENSES

You Should See This.




The Missing Piece to XR

Our transparent, daylight-bright waveguides enable developers to build meaningful extended reality (XR) applications that allow users to engage with the world around them in a safe and practical way.

Customizable to Your Needs

DigiLens’ optical technology allows our partners to create customizable and cost-effective XR devices. DigiLens works with our customers to fully define all waveguide requirements. We’ll clarify how the custom waveguide will fit into the final device (PRD) and ensure that a compelling experience will be enabled for the targeted use case. The timeline for this process can run anywhere between 3-7 months, depending upon the optical system interface.



	HEAD WORN		HEADS UP
	Crystal30	Crystal50	CrystalClear™ AR HUD
REFERENCE DESIGN			
	Lightest & brightest display at a great value	Wide FOV in a compact form factor	2x FOV of traditional HUDs & compact component volume
FIELD-OF-VIEW	15° (h) x 26° (v); 30° (d)	44° (h) x 25° (v); 50° (d)	up to 15° (h) x 5° (v)
TRANSPARENCY	92% (AR coated)	80% (AR coated)	92% (Windshield)
WG EFFICIENCY	200 nits/lumen with polarized light engine	250 nits/lumen with polarized light engine	120 nits/lumen with polarized light engine
EYEBOX	10.5mm x 9.5mm	12mm x 10mm	130mm x 120mm
CONTRAST	30:1	25:1	50:1
UNIFORMITY	35%	20%	70%
ORIENTATION	Portrait	Landscape	Landscape
WG RAKE	8°	0°	-45° to 45°
FOCUS DISTANCE	Infinity	Infinity	Infinity
WG LAYERS	2 (R/G/BG)	3 (R/G/B)	3 (R/G/B)
THICKNESS	1.6mm total	< 2.5mm total	3.4mm each
AVAILABILITY	Now	LRIP: Q2'21; MP: Q4'21	Now