

# Insight30



With the DigiLens Insight30 hardware development kit, innovators can turn their head worn concept into reality. This turn-key viewing and capture tool facilitates the creation of specialized head worn device by enabling users to evaluate design concepts with the Crystal30 waveguide and optimized projection system in a clear and straightforward way.

## FROM CONCEPT TO REALITY



## A TOOLSET TO ENABLE CREATIVITY

Out of the box, the Insight30 kit allows engineers to explore custom head worn ideas that utilize DigiLens' Crystal30 family of waveguides. Users will find the flexibility to develop different types of meaningful XR applications at a great value.



*Upon request, Insight30 users will gain access to the DigiLens mid-volume pricing table. For large volume quantities, DigiLens will introduce OEMs/ODMs to our high-volume manufacturing partners.*

<b>Insight30 Kit Includes</b>	(1) Insight30 (4) Crystal30 waveguides (customers may select any combination of full color or green) (2) One-hour support sessions that must be used within 15 calendar days of receipt	
<b>General Crystal30 Specifications</b>	<b>FIELD-OF-VIEW</b> 15° (h) X 26° (v); 30° (d)	<b>FOCUS DISTANCE</b> Infinity
	<b>EYE BOX</b> 10.5mm x 9.5mm	<b>EYE RELIEF</b> 13.5mm to pupil
	<b>ORIENTATION</b> Portrait (9:16)	<b>CONFIGURATION</b> Side injected
<b>Crystal30 Full Color Specifications</b>	<b>TRANSPARENCY</b> 92% (AR coated)	<b>EFFICIENCY</b> 125 nits/lumen
	<b>ANSI CONTRAST</b> 30:1	<b>UNIFORMITY</b> > 30%
	<b>LAYERS</b> 2 (RG/BG); 8° Rake	<b>THICKNESS</b> 1.6mm total
<b>Crystal30-G Specifications</b>	<b>TRANSPARENCY</b> 95% (uncoated)	<b>EFFICIENCY</b> 600 nits/lumen
	<b>ANSI CONTRAST</b> 25:1	<b>UNIFORMITY</b> > 30%
	<b>LAYERS</b> 1 (G); 3° Rake	<b>THICKNESS</b> 0.8mm total
Specifications based on Sekonix 28° WVGA DLP LED light engine Crystal30 may be optimized for additional light engines Binocular and landscape configurations available to approved partners		
<b>Light Engine Specifications</b>	FOV: 28° diagonal WVGA, 854x480 (16:9 portrait)	
<b>Computer</b>	Windows laptop preloaded with testing software	
<b>Camera</b>	FOV: 34° x 25.6° IDS software compatible with LabVIEW	
<b>Cost</b>	\$7,499 USD	
<b>Availability</b>	Now for approved partners – interested? Send an email to <a href="mailto:sales@digilens.com">sales@digilens.com</a>	