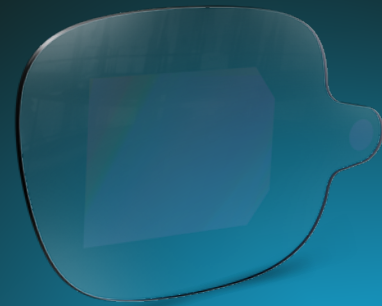


Our waveguides unlock the potential of augmented reality for the mass market.

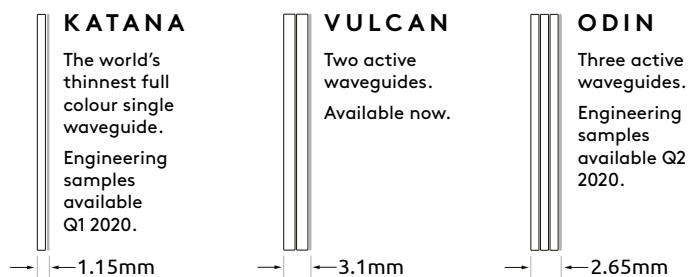
www.enhancedworld.com



Waveguides with the widest range of fields of view, the largest eye-box available and are readily customisable.

ONE, TWO OR THREE PLATES

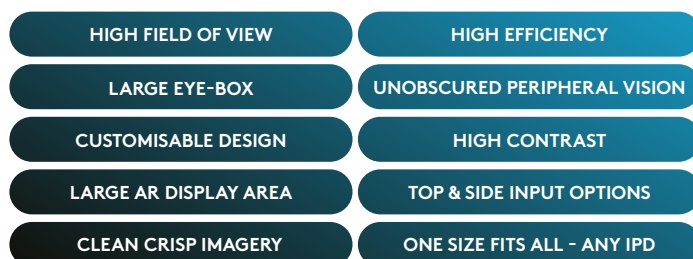
Each type of waveguide has its own features and benefits that can be matched to customer needs and design requirements, including the number of active waveguides.



TECH SPECS (1, 2 & 3 PLATES)

	KATANA	VULCAN	VULCAN	ODIN
Field of View (degrees)	28°	28°	40°	55°
Input pupil diameter (mm)	4	4	4	3 x 2.5
Nominal eye relief (mm)	24	20	25	18
Eye-box (mm)	12 x 11	15 x 11	19 x 15	12 x 7
Efficiency (Nits/lumens)	160	400	175	50
MTF (Cycles/degree)	18	18	18	18
Transmittance	85+	80+	80+	70+
Contrast	40:1	40:1	40:1	40:1

All waveguides have:



FIELD OF VIEW OPTIONS

One-plate waveguides

KATANA samples will be available in Q1 2020 with 28° FOV.

Two-plate waveguides

VULCAN are available today with 28° & 40° FOV.

Three-plate waveguides

ODIN samples will be available in Q2 2020 with 40° and 55° FOV.



KATANA & VULCAN

FLEXIBLE DESIGN APPROACH

Our waveguide outlines and patented 2D diffractive nanostructures within the output grating are readily customisable. This allows high degrees of design versatility, resulting in end product differentiation.

CUSTOMISATION

A simple way to provide end-product differentiation is to alter the outline design of the waveguide. Outline design must be 2mm away from the optically active areas (gratings) and the gratings cannot move in anyway.

ADVANCED CUSTOMISATION

A more versatile way to create a custom waveguide is through a bespoke design process. We can create a waveguide design where the grating sizes, spacing and outline are all optimised for your product using our in-house expertise and proprietary software tools.

PROJECTORS

We also have projectors designed in-house to match the waveguide specifications. This ensures the best possible AR image creation.



DISCLAIMER

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Version 2 29 January 2020

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