EYELIGHTS

Datasheet: EyeRide motorcycle Helmet Head Up Display accessory

Key specifications

EyeRide	
Display Content	Android Auto - AppleCarPlay Google Maps, Waze, Spotify, calls, text messages
Optical performances	
Brightness	✓ 3000 nits
Contrast	✓ 100 000 : 1
Diagonal Field of View	24°
Eye Box	10 mm x 10mm 6 degrees of freedom allow a fast installation
Screen	Sony OLED MicroDisplay
Optical component Size	✓ 30 mm x 15 mm
Optical component Weight	✓ 8 g

Detailed Specifications

HUD	
Field of view	24° (diagonal)
Eyebox	10mm x 10mm Easily adapted to any interpupillary distance thanks to 6 degrees of freedom
Virtual distance image	1.5 m
Set up	Easy to setup Adapt easily to your field of view Adapted for all types of motorcycle helmet
Glasses Compatibility	Compatible with all glasses and sunglasses
Sun Visor Compatibility	Compatible with all sun visors

Video Interface	
Signal input	Android Auto Apple Car Play

Screen	
Panel type	Sony OLED MicroDisplay
Diagonal size	0.23" (5.8mm)
Active area	4.9 mm x 3.1 mm ± 0.05mm
Ratio	16/10
Resolution	0.77M dots
Pixel Pitch	8 µm
Brightness (Max)	**3000 cd/m² (nits)**
Refresh time	60Hz
Contrast	**100 000 : 1**
Colors	RGB 24 bits

Power consumption	
Power Supply	5V
Recharging connector	USB type C
Reload time	2h
Battery capacity	1850 mAh

Environmental conditions	
Operating temperature	0 to 70°C
Storage temperature	-20 to 100°C
Lifetime	50 000 hours

Device housing	
Materials	ABS V0
External module	
Weight	≈ 70g
Diameter	63 mm ±0.5mm
High	26 mm ±0.5mm
Fixation	3M adhesive
Led Lights	RVB customizable
Optical module	
Weight	**8g**
Fixation	3M adhesive
Length	35mm ±0.5mm
High	15mm ±0.5mm
Width	15mm ±0.5mm
Mechanical mount	**6 degree of freedom**

Accessories	
Bluetooth Remote button	
Fixation	Reusable adhesive
Use	Push, Double push, Hold
Audio Kit	
Speaker type	Flat speakers
Speaker max level	**99 dB (as much as JBL pack)**
Sound quality	Premium Sound experience
Microphone	Directional microphone with noise cancelling
Voice command	**Active voice control & calls** **Personal digital assistant (Siri, Google, …)**