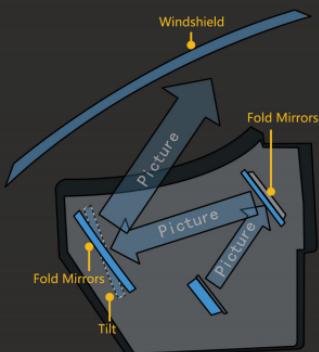




汽车HUD自由曲面镜 Freeform HUD Mirror and Combiner for Automobile

富兰光学研发的HUD自由曲面镜，利用行业领先的自由曲面微纳加工技术和先进镀膜技术，修正了挡风玻璃造成的图像畸变，从而保证成像不失真。更高精度、更大尺寸的AR-HUD自由曲面镜，不仅拥有了更大的可视角度，更实现了实景环境与虚拟信息的完美重合。

HUD free-form mirror developed by Fran Optics uses industry-leading micro-nano processing technology and advanced coating technology to correct the image distortion caused by the windshield, thereby ensuring that the image is not distorted. AR-HUD free-form mirror with higher precision and larger size not only has a larger viewing angle, but also realizes the perfect coincidence of the real environment and virtual information.



- 高精度手板：最大加工口径可达1000mm
High-Precision Prototype: Max. Machining Diameter is 1000mm



- HUD自由曲面反射镜：高反射率，R>90%
HUD Free-Form Mirror: High Reflectivity, R>90%



- HUD呈像镜：增透面，R<0.5%；
反射面，30%<R<60%
HUD Combiner: AR Coating Surface, R<0.5%
Reflective Coating Surface: 30%<R<60%



- 表面粗糙度Ra<5nm,
面型精度P-V<20um
Roughness Ra<5nm, Flatness P-V<20um
- 信赖性测试
Reliability Test

HUD Optical Parts

- | | |
|--|---|
| <ul style="list-style-type: none"> • 铅笔硬度测试
Scratch Resistance Pencil Hardness Test | <ul style="list-style-type: none"> • 高温存储测试
High Temp Storage Test |
| <ul style="list-style-type: none"> • 百格测试
Coating Adhesion Cross Cut Test | <ul style="list-style-type: none"> • 低温存储测试
Low Temp Storage Test |
| <ul style="list-style-type: none"> • 冷热冲击测试
Thermal Shock Test | <ul style="list-style-type: none"> • 恒定湿热测试
Humid Constant Heat Test |
| <ul style="list-style-type: none"> • 振动测试
Vibration Test | <ul style="list-style-type: none"> • 氙灯老化测试
Xenon Lamp Aging Test |
| <ul style="list-style-type: none"> • 凝露测试
Condensated Water Test | <ul style="list-style-type: none"> • 温度变化测试
Temperature Change Examination |



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