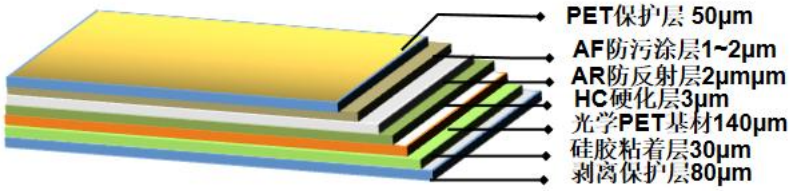
AR-HCAF protective film

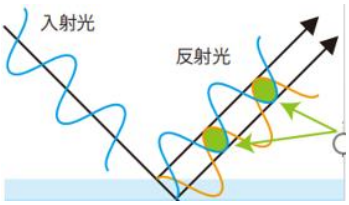
LG-XTG#AR-HCAF/FILM175-A

apply

It is suitable for high-altitude UAV, outdoor infrared monitoring lens, optical lens, mobile phone, glass cover plate, tablet computer, TV, digital camera, car navigator and other high-end market display.

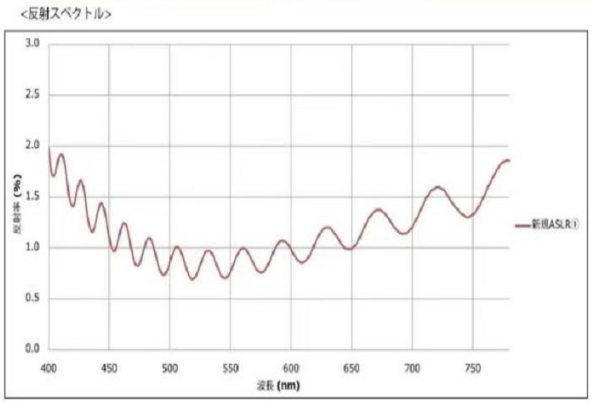
structure

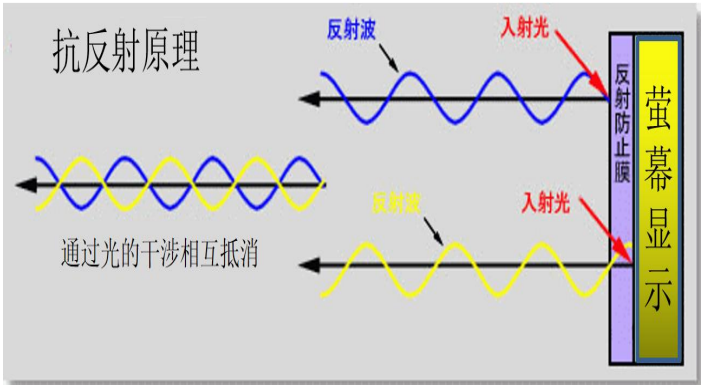




action principle

Nano-ar coating can inhibit strong light reflection and antireflection, and the reflected light source can be offset or reduced through the cross interference of different light bands, so that the transmittance increases by 3%~4%, and the reflected light on the optical surface such as lens, prism and plane mirror is reduced or eliminated, so as to increase the transmittance of these components and improve the display clarity of the reduction screen. Improve clarity and reduce reflectance, thereby protecting vision.





data

project	measured value	unit	method
thickness	170±5	μ	micrometer
transmittance	> 96	%	transmittance tester/ JIS K7361-1
reflectivity	< 0.43%	%	spectrophotometer/JIS K7361
Mitsubishi pencil	3~4	H	hardness tester/JIS K5600 750g load
HAZE	< 0.5%	%	haze meter、JIS K7136
high temperature resistance	85℃	H	1000H
adherence strength	5B	B	JIS K7105
low temperature resistant	-20℃	H	1000H
Thermal Cycling Test	--20℃⇄ 85℃	H	Thermal Shock Test Chamber/500H
(steel wool) resistance to friction	105	°	1000g*1000 round trips
Alcohol resistance (high concentration of ethanol)	95%	—	50g*100round trips
(initial)contact angle	> 115	°	contact angle texter
Adhesive force (to glass)	5~8	mn/25mm	Viscous force (tension machine)/JIS Z0237
Antifouling/hand sweat resistance	OK	—	Finger touch, visual

Data recorded above are average value and non-guaranteed values