

Antireflection coating

Single layer coating

Dummy glass (flat plate) for measurement is set into the coating device with lenses.

Antireflection coating is deposited to above dummy glass and lenses.

After coating process, dummy glass is pickuped from coating device, and transmissivity of dummy glass is measured and evaluated.

At concrete, wavelength that transmissivity of dummy glass (coated to one side) become maximum is measured by the spectrum photometer.

One side transmissivity of dummy glass is calculated from ideal transmissivity of SFS01 at this wavelength.

In addition, transmissivity of another side is similarly measured and calculated.

The transmissivity data of both sides is obtained by multiplied each data and is used as transmissivity data of the lens.

The transmissivity shown by the above method is persistently a measurement value of the dummy glass, and is not a value of the lens itself.

However, this method is convenient and general as the control of the antireflection coating.

Multi layers coating

SFS01 monitor glass (flat plate) for measurement is set into the coating device with lenses.

Antireflection coating is deposited to above monitor glass and lenses.

Transmissivity of monitor glass is measured and evaluated.

As for the transmissivity of the multi layer coating, the monitor glass(coated to both side) is measured with the spectrum photometer.

This transmissivity is used as transmissivity of the lens.

Also, as for the reflectivity, transmissivity of one side is measured with monitor glass(coated to one side). Both sides reflectivity which obtained from both sides transmissivity is distributed every each side reflectivity by transmissivity of one side.