Capture the Vivid Colors of Seasonal Landscapes

Circular PL Filter p.13

Decorate the Lights for a Dazzling Finish

CROSS Filter p.21

Discover a New World from Up Close

MACRO Filter p.24

Create an Ethereal World with Slow Shutter Shots

ND Filter p.17

Embrace the Scene with a Soft and Gentle Touch

SOFT Filter p.23

How to Attach the Filter to the Lens

Filter size is indicated in the back of the lens cap as “XX mm.”

Viewing the lens from the front, rotate the filter clockwise to attach.

Enjoy Your Photo Life
**LINE-UP OVERVIEW BY FILTER TYPE**

**UV Cut & Lens Protection**

- **EXUS UV (L390)**
- **DHG Super UV (L390)**
- **DHG UV (L390)**
- **FIT + SLIM MC UV (L390)**

![Transmission Characteristics](chart)

**UV Light Irradiation Test**
UV cut filter irradiation test using a printed material that changes to pink when exposed to ultraviolet rays.

- Conventional lens protector passes ultraviolet rays.
- UV cut filter cuts ultraviolet rays.

**Lens Protection**

- **EXUS Lens Protect SOLID**
- **EXUS Lens Protect**
- **DHG Super Lens Protect**
- **DHG Lens Protect**
- **FIT + SLIM MC Lens Protect**

**Color Contrast Improvement**

- **EXUS Circular PL**
- **DHG Super Circular PL**
- **DHG Circular PL**
- **FIT + SLIM Circular PL**
EXUS Lens Protect

7 Times Stronger than a Conventional Protector Filter
Ultra-low Reflection Rate 0.2%

- Antistatic Coating
- Water & Oil Repellent Coating
- Ultra-Thin Frame Design
- Blackened Outer Rim of Glass
- Satin Finish & Knurling

*1 Compared to our products

Made in Japan
Available Size: 49mm 52mm 55mm 58mm 62mm 67mm 72mm 77mm 82mm

Product specification outline

- **[Vickers Hardness Number 700HV]**
  To protect your lens, hardened glass is used to achieve 7 times the strength of conventional products.
  *2 Vickers hardness (HV): Hardness of materials measured and quantified by indentation made with a diamond

- **[Amazingly Low-Reflection Rate 0.2%]**
  Surface reflection is minimized to 0.2% in order to bring out the full expressive capabilities of lenses.

- **[Antistatic Coating]**
  Static-resistant surface inhibits the adhesion of fine dirt and dust, allowing a stress-free capture.

- **[Water & Oil Repellent Coating]**
  Smooth shooting experience is ensured with a water and oil repellent surface which makes it harder for water droplets and fingerprints to adhere, while also making it easy to wipe clean.
**EXUS UV (L390)**

**Full Specification Filter with UV Cut Feature**

This model, equipped with the UV cut feature on top of the water and oil repellent and antistatic coating, is a must-have for field photographers.

**Antistatic Coating**

The glass is resistant to adhesion of fine dirt and dust, and when fine dirt or dust does adhere, they can be easily blown off, allowing stress-free shooting.

**EXUS Lens Protect**

**Ideal Lens Protector of Excellent Quality with Maintenance-Carefree Features**

Enhanced features protecting the lens from troubles such as water, stain and static electricity reduce the time and effort required for maintenance.

**High Transmission Polarizing Filter**

A high transmission polarizing film, which transmits the light well while keeping the polarizing effect, makes it much easier to verify the effect during the shooting than with conventional filters.

**EXUS Circular PL**

**30% Greater Light Transmission Ratio than Conventional Polarizing Filters**

High transmission polarizing film makes it easier to check the polarizing effect through the finder allowing easier focusing on the subject. It also enables richer gradation expression, as the dark portions of the subject aren't easily lost.

**Water and Oil Repellent Coating**

Oil repellent performance allows easy maintenance, and high water repellency keep water droplets off.

**New Low Reflection Frame**

Light-blocking Ridges are equipped inside of the ring to reduce diffused reflections.
DHG Super UV (L390) (L370)

Reliable Water and Oil Repellent Performance

DHG SUPER UV (L390) is a reliable lens protective filter having water and oil repellent effect as well as cutting ultraviolet rays which affect image quality.

DHG Super Lens Protect

Reliable Water and Oil Repellent Performance

DHG SUPER LENS PROTECT is a reliable lens protector with excellent water and oil repellent effect.

DHG Super Circular PL

High-Functional Polarizing Filter Having Water and Oil Repellency

High functionality suitable for outdoor shooting with addition of the water and oil repellent coating to the polarizing filter effect. Also fully supports wide-angle lens.

Water Repellent Coating

Repels Water Droplets

High water repellency protects the filter from water.

Oil Repellent Coating

Resistant to Stains

Amazing oil repellent performance allows easy wiping, which makes maintenance easier.

Satin Finish & Knurling

Pursues Higher Image Quality and Easier Handling

Reduces flare and ghosting and supports filter attachment.

Blackened Outer Rim

Reduces Internal Reflections

Flare and ghosting are reduced by reducing internal reflections with blackened outer rim of the glass.
**DHG UV (L390)/(L370)**

Standard UV Cut Filter Designed for Digital Cameras

Marumi's long-selling model invaluable for outdoor shooting, which supports wide-angle lens and employs ultra-thin frame design with knurling.

**Available Sizes (mm)**

<table>
<thead>
<tr>
<th>DHG UV (L390)</th>
<th>40</th>
<th>40.5</th>
<th>43</th>
<th>45</th>
<th>46</th>
<th>48</th>
<th>50</th>
<th>52</th>
<th>55</th>
</tr>
</thead>
<tbody>
<tr>
<td>DHG UV (L370)</td>
<td>40</td>
<td>40.5</td>
<td>43</td>
<td>45</td>
<td>46</td>
<td>48</td>
<td>50</td>
<td>52</td>
<td>55</td>
</tr>
</tbody>
</table>

**FIT + SLIM MC UV (L390)/(L370)**

Basic Filter with Both Lens Protection and UV Cut

UV cut lens protective filter having multi-layer coating. Tightly holds the lens cap despite the ultra-thin frame.

**Available Sizes (mm)**

<table>
<thead>
<tr>
<th>FIT + SLIM MC UV (L390)</th>
<th>40</th>
<th>40.5</th>
<th>43</th>
<th>45</th>
<th>46</th>
<th>48</th>
<th>50</th>
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<tr>
<td>FIT + SLIM MC UV (L370)</td>
<td>40</td>
<td>40.5</td>
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<td>46</td>
<td>48</td>
<td>50</td>
<td>52</td>
<td>55</td>
</tr>
</tbody>
</table>

**DHG Lens Protect**

Long-Selling Reliable Lens Protector

Long-selling basic product of Marumi filter since its release ahead of the industry. It supports a wide-angle lens and employs ultra-thin frame design with knurling.

**Available Sizes (mm)**

<table>
<thead>
<tr>
<th>DHG Lens Protect</th>
<th>37</th>
<th>39</th>
<th>40</th>
<th>40.5</th>
<th>43</th>
<th>45</th>
<th>46</th>
<th>48</th>
<th>50</th>
<th>52</th>
<th>55</th>
</tr>
</thead>
</table>

**FIT + SLIM MC Lens Protect**

Basic Lens Protector with Ultra-Slim Frame

Multi-coating reduces reflections. Tightly holds the lens cap despite the ultra-slim frame.

**Available Sizes (mm)**

<table>
<thead>
<tr>
<th>FIT + SLIM MC Lens Protect</th>
<th>37</th>
<th>39</th>
<th>40</th>
<th>40.5</th>
<th>43</th>
<th>45</th>
<th>46</th>
<th>48</th>
<th>50</th>
<th>52</th>
<th>55</th>
</tr>
</thead>
</table>

**DHG Circular PL**

Ultra-Thin Frame and Knurling for Easy Operation

Reducing reflections of the subject and emphasizing color contrast make the picture more vivid. This is applicable to various scenes.

**Available Sizes (mm)**

<table>
<thead>
<tr>
<th>DHG Circular PL</th>
<th>37</th>
<th>39</th>
<th>40</th>
<th>40.5</th>
<th>43</th>
<th>45</th>
<th>46</th>
<th>48</th>
<th>50</th>
<th>52</th>
<th>55</th>
</tr>
</thead>
</table>

**FIT + SLIM Circular PL**

Slim Frame Reduces Vignetting Basic Polarizing Filter

Emphasizes color contrast and reduces reflections. Tightly holds the lens cap despite the slim frame.

**Available Sizes (mm)**

<table>
<thead>
<tr>
<th>FIT + SLIM Circular PL</th>
<th>37</th>
<th>39</th>
<th>40</th>
<th>40.5</th>
<th>43</th>
<th>45</th>
<th>46</th>
<th>48</th>
<th>50</th>
<th>52</th>
<th>55</th>
</tr>
</thead>
</table>
Circular Polarizer

The natural color will be lost if the contrast is forcibly increased drastically by digital setting. Vivid color pictures with natural gradation can be enjoyed by using the polarizing filter.

- **Vivid Blue Sky**
  - Without Filter
  - With Filter

- **Cut Reflection to See Through the Water**
  - Without Filter
  - With Filter

- **Minimize the glare from leaves to capture the real colors**
  - Without Filter
  - With Filter

- **Reduce reflections on glass surfaces**
  - Without Filter
  - With Filter

- Rotate the filter frame (rotating ring) to adjust the contrast settings.

### List of Features

<table>
<thead>
<tr>
<th>Filter</th>
<th>Polarizing Effect</th>
<th>Oil Repellent</th>
<th>Water Repellent</th>
<th>Antistatic</th>
</tr>
</thead>
<tbody>
<tr>
<td>EXUS Circular PL</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>DHG Super Circular PL</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>DHG Circular PL</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>FIT + SLIM Circular PL</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
</tbody>
</table>
**Circular Polarizer**

**HOW TO USE**

**Q & A**

**Q** How can I check the filter size of my lens?

Filter size is indicated on the back of the lens cap as "XX mm."

**A**

**Q** Are polarizing filters too difficult for a beginner? How do I attach and operate them?

Beginners can also use these polarizing filters. Step up your landscape photos with ease.

**STEP 1** Check that the filter frames are double-framed with a rotating (front) ring and a fixed (rear) ring.

The rotating ring is the one for adjusting the filter effects.
(The ring on which the logo is printed.)

The fixed ring is the one for attaching the filter to the lens.

**STEP 2** Viewing the lens from the front, hold the fixed ring and rotate it clockwise to attach.

**STEP 3** The polarizing effects can be checked by turning the rotating ring either to the right or left.

★ The effects of a Circular PL filter cannot be seen just by attaching it.

- **Under clear sky** Avoid backlight
- **Look through the viewfinder** at LCD screen
- **Turn the rotating ring**

※Change the shooting position and try again if a desirable color contrast is not obtained.

**Q** I've only taken pictures with the Scene Mode on my camera. Can I still use this Mode?

You can use the Scene Mode as usual and let the camera do the work.

★ Shoot with front light to increase the contrast of a blue sky.
★ Shoot at 30-40° from the water's surface to eliminate light reflection on the surface.
★ Turn off the flash.

You can easily improve your photos!

**Q** What is the recommended mode for more advanced photo shooting?

Try Aperture-Priority Auto (A/AV Mode), often used for landscape photos.

Set the Mode to A/AV Mode.

**Q** What are the camera settings when I use Aperture-Priority Auto (A/AV Mode)?

Start with the following settings.

1. Set ISO to 100 or 200.
2. Set White Balance (WB) to Daylight or Auto.
3. Check Exposure Compensation is at 0.
4. Start with the f-number at F8.0
   Adjust the aperture and check the results. For example, decrease the f-number (to F7.1, F5.6, etc.) to blur the background, and increase the f-number (to F9, F10, etc.) to get a sharp background.

A/AV Mode Check the definition of unfamiliar terms in Basic Camera Terminology on page 29-30.

**Q** The photos turned out dark. Is there a solution?

Move the exposure compensation value in the "+" direction to make the photos brighter.

-3...2...1...0...1...2...3

Beneficial tips:
- Expose Compensation is an effective function also useful for shooting with an ND filter.
- Set Exposure Compensation to + Slow the shutter speed to create a brighter image.
- Set Exposure Compensation to - Increase the shutter speed to create a darker image.

**Q** Are there any other recommended techniques for shooting landscapes?

Slow shutter shots, which can capture the ethereal flow of water, are highly recommended.

See page 19 for details.
The DHG ND series allows you to adjust the shutter speed.

ND filters prevent overexposure (blown-out highlights) when taking photos with a slow shutter speed in a bright place to enable a fantastic expression of waterfalls and streams.

The DHG ND series controls the amount of light without interfering with the colors of the subject and is available in four levels of dimming from ND8 to ND64 to allow the selection of filters suitable for the shooting conditions or desirable finish.

The effects may vary depending on the shooting environment.
**How can I take slow shutter photos?**

**A** Set the Mode to **S/TV Mode**

Set the camera to Shutter-Priority Auto (S) (TV) Mode.

Check the definition of unfamiliar terms in Basic Camera Terminology on page 29-30.

**What are the camera settings?**

Start by setting as follows.

1. Set ISO to 100 or 200.
2. Set White Balance (WB) to Daylight or Auto.
3. Check Exposure Compensation is at 0.
4. Start from a shutter speed of 1/4 second
   When the image seems too dark, slow the shutter speed to 1/2 sec., 1 sec., and so on to take in more light and check the results.

★ With a digital camera you can take as many photos as you like until you get the finish you want!

**Can I use Auto Focus (AF) to let the lens focus by itself?**

Auto Focus may or may not work when an ND filter is attached. If AF does not work, change the setting to Manual Focus (MF).

**What happens if I take photos with a slow shutter speed without using an ND filter?**

When taking photos with a slow shutter speed in a bright place, your photos may not capture the fluidity or may result in overexposure (blown-out highlights on the left image).

**Why does an ND filter make shutter speed slow?**

Attach an ND filter
Light intensity is reduced
Shutter speed slows down
Capture an intentionally blurred image to express the sense of fluidity

**Which of the 4 types of DHG ND series should I choose?**

For first time users of ND filters, the user-friendly ND8 or ND16 is recommended.

**Is there any mode which allows me to adjust the blurriness of the background?**

Use Aperture-Priority Auto (A/AV Mode) to adjust the blurriness to your taste.

Set the Mode to **A/AV Mode**

See page 16 for details

Once you are used to using ND filters, adjust the shutter speed (by turning the dial) according to the scene. Try shooting slow shutter photos!
The DHG Cross series adds a starburst effect on point light sources to create sparkling photos of illuminations and nightscape shots. Reduce ghosting and flares caused by reflected lights and get clear, enhancing effects for nightscape shots.

**DHG 4x Cross**
Turns a light source into a 4-point star

**DHG 6x Cross**
Turns a light source into a 6-point star

**DHG 8x Cross**
Turns a light source into an 8-point star

**Useful for daytime photo shoots, too!**
Cross filters add accents to scenes with rivers, lakes and water fountains. Make ordinary waterscapes shine!

**POINT**
Can also be used for video filming!

Cross filters have a rotating ring. Rotate it while shooting videos with an SLR camera to film a whimsical video with sparkling rays of lights.
SOFT FILTER
Create Soft and Gentle Impressions

Add a soft touch to the photos of flowers, women and babies
The DHG Soft series filters generate soft effects on the photos while keeping a clear focus. The photos will turn out soft and gentle with smooth blurs by simply attaching this filter to the lens.

DHG Soft Fantasy
For adding slight softness to the photos

DHG Soft Fantasy II
For generating stronger soft effects

ONE POINT
Slight overexposure and slightly larger aperture are recommended for portrait photos.

MACRO FILTER
Magnify in Close-up

Enjoy shooting macro photos with ease
Reducing the minimum focusing distance of the lens makes it possible to take magnified images of small objects such as flowers.

DHG Macro 3
Convenient to Carry Around for Close up Shooting

DHG Achromat Macro
Close-up Picture with Cleanness Including Periphery

Easily Takes a Close-up Picture

Available Sizes (mm)
52 55 58 62 67 72 77 49

Legend of the icons on page 31
CREATION SERIES

CREATION VARI. ND2.5-ND500

- Wide variable range: ND2.5 to ND500 (11/3 to 9 stops)

For easy focus adjustment with ND filter
It is not easy to adjust focus when using the high density ND filter because the finder becomes dark. The ND filter has to be detached before taking a picture to adjust focus. When using the variable ND filter, the finder can be bright by only rotating the filter ring to lower density. There is no need to detach the filter when adjusting focus.

Indispensable for DSLR movie
When shooting movie with DSLR under bright condition, such as outdoor under fine weather, the shutter speed tends to go up 1/500, 1/1000 sec., all the more when fixing the aperture for the desired depth of field. The movie with high shutter speed is likely to be flash motion. The variable ND filter is very useful to avoid it, as the shutter speed can be slower.

Remark: In the range of high density, the cross pattern image may happen depending on the shooting condition.

Max.: ND500 (9 stops)  
Min.: ND2.5 (1 1/3 stop)

CREATION C-PL/ND8/ND16/ND32

Two-in-One functions
- There is no need to stack two filters!

C-PL/ND filter has dual purpose polarizer and ND functions 2 in 1. This filter employs slim profile frame to prevent vignetting. It is useful to reduce reflections and set the slow shutter when shooting water splash, streaming, etc.

DHG ND-100000

Need Special Filter for Solar Eclipse Shooting

This is a special filter for shooting the sun, which has special effect to withstand the light and heat from the sun, and can reduce the light volume to 1/100,000 in order to shoot the sun.

Available Size: 58mm 77mm

Total or annular solar eclipses visible in the world within the next three years

<table>
<thead>
<tr>
<th>Month/Day/Year</th>
<th>Location</th>
<th>Type of Solar Eclipse</th>
</tr>
</thead>
<tbody>
<tr>
<td>2/26/2017</td>
<td>South Pacific Ocean to Chile and Argentina in South America Africa</td>
<td>Annular</td>
</tr>
<tr>
<td>8/21/2017</td>
<td>Across the U.S.A. from Oregon to South Carolina</td>
<td>Total</td>
</tr>
<tr>
<td>7/2/2019</td>
<td>South Pacific Ocean to Chile and Argentina</td>
<td>Total</td>
</tr>
<tr>
<td>12/28/2019</td>
<td>Middle East to Indian Ocean and Southeast Asia</td>
<td>Annular</td>
</tr>
</tbody>
</table>

*Listed data is described based on "UTC date at the time of maximum phase of an eclipse."

Caution: To shoot the sun
- Never look into the optical finder
- Do not expose the lens to the sun without attaching the filter

Legend of the icons on page 31
Filters for everyday use to protect your lenses

**Protective Filters**

**MC-UV**
Taking photos under strong UV rays results in color photos with a blue tinge or black-and-white photos with a white haze. MC-UV, which cuts UV rays, is essential for seaside and mountain photography on a clear day.

**Skylight 1B**
A filter that removes blue tinges from the photos taken on a clear day. The shadows of the subject take on a blue tinge due to skylight under a clear sky. 1B corrects this phenomenon.

Eliminate light reflections and improve color contrast

**Polarizing Filter series**

**PL/C-PL**
A Polarizing Filter is recommended for taking color photos of landscapes. Deep blue sky and clear clouds can be captured to produce an image with high color contrast. Furthermore, transparency can be achieved by eliminating reflections on the water’s surface or display windows.

**MC C-PL**
The multi-coated (MC) Circular PL filter with a standard ring is designed for use with a film camera.

**Close-up Filters**

**Close-up Lenses**

**MC+1/2/3/4**
Simply attach a close-up lens to the camera lens for easy close-up capture. Unlike a zoom lens with macro capabilities, there is no fixed object distance or magnification. The filters work with all the zooming range. Magnification can be changed by zooming and focusing.

**Macro MC+10**
Simply attach a close-up lens to the camera lens for easy close-up capture. Unlike a zoom lens with macro capabilities, there is no fixed object distance or magnification. The filters work with all the zooming range. Magnification can be changed by zooming and focusing.

**Soft Spot Effect Filter**

**Spot**
Blur the surrounding and keep the center sharp and focused. Best for a wide-angle lens.

Comparison of the soft effects

- **Weak**: Silky Soft A
- **Silky Soft B**
- **Spot**
- **Strong**: Sand Spot/ Foggilizer
Basic Camera Terminology

Aperture
A hole through which the light enters the camera. The amount of light that enters through the hole (brightness), expressed as a f-number (e.g. F1.4, F5.6, etc.), is adjusted by the size of the hole. A smaller f-number means a larger aperture to allow more light to enter (brighter) while a larger f-number means a smaller aperture with less light (darker).

[Open up: set the f-number to a smaller number]
[Close down: set the f-number to a larger number]

Shutter Speed
The length of time the shutter curtain is open to take in light is expressed in seconds (e.g. 1/60 sec., 1/125 sec., etc.). At a fast shutter speed, the shutter opens and closes quickly to capture a moving subject without blur; whereas a slow shutter speed results in a blurred subject. In addition, less light enters at a fast shutter speed, while more light enters at a slow shutter speed.

ISO Sensitivity
ISO is the acronym for International Standards Organization that governs sensitivity rating for camera sensors. The sensitivity of an image sensor which receives the light is expressed as an ISO value, such as ISO 100 and ISO 800. A higher ISO means greater sensitivity, resulting in a bright image with a fast shutter speed and a small aperture, however, it can lead to image deterioration due to increased noise. To obtain higher image quality, a lower ISO is ideal.

Aperture-Priority Auto (A/AV Mode)
A shooting mode that automatically adjusts the shutter speed according to the selected aperture (f-number). Smaller f-numbers result in a shallower focus area (depth of field) with a blurred background; whereas larger f-numbers produce a deeper focus area and thus a sharper overall image. *Recommended value for landscape photography is around F8.0-F11.

Shutter-Priority Auto S/TV
A shooting mode that automatically adjusts the aperture (f-number) according to the selected shutter speed. By setting a shutter speed as you desire, you can freeze a moving subject at a fast shutter speed or capture motion blur at a slow shutter speed.

P Mode Program Auto
A user-friendly shooting mode with which a camera automatically adjusts aperture and shutter speed. This mode can be used for a variety of subjects with the Program Shift function that allows the adjustment of aperture and shutter speed without changing the exposure setting.

M Mode Manual Exposure
A shooting mode for advanced photographers, which allows fine adjustments to aperture (f-number) and shutter speed. This mode lets you freely adjust exposure as you wish and makes diverse creations possible.

White Balance (WB)
The types of light source, such as sunlight, light bulbs and fluorescent light influence the color tone of a photo. White balance (WB) is a function that corrects the color tone to capture actual colors as you see them. Select a WB mode such as Daylight, Fluorescent and Cloudy, according to the shooting conditions.

Focal Length
The distance between the lens and the image sensor when in focus, expressed in values such as 35 mm or 80 mm for a fixed focal lens and 35-150 mm, etc. for a zoom lens. Longer focal lengths result in a narrower angle of view (area visible in a photo), making it possible to capture a large image of a subject at a further distance. Shorter focal lengths, on the other hand, capture a wider area.

Exposure
The appropriate brightness can be achieved by adjusting the amount and duration of light the image sensor receives (exposure). A normal exposure photo captures the actual brightness of the scene whereas overexposure results in a picture that is brighter and underexposure results in a picture that is darker.
**Optical Glass**

**Hardened Glass 7 Times Stronger Than Conventional Products**

Hardened glass with Vickers Hardness Number 700HV is used to achieve 7 times strength of conventional products.

**High Transmission Polarizing Film**

Optical Finder is Bright and Easy to See

Focusing is easier than with conventional polarizing filters, so the polarizing effect can be verified more easily. Fine expression is possible as the shadow portions of the subject aren’t lost as easily.

**Blackened Outer Rim**

Reduces Internal Reflections

Flare and ghosting are reduced by reducing internal reflections with blackened outer rim of the glass.

**Ultra-low Reflection**

Minimizes the surface reflections to get the original performance of the lens.

**Antistatic Coating**

Prevents Adhesion of Dirt and Dust, etc.

Prevents adhesion of fine dirt and dust by reducing electrostatic charge. Dirt/dust can be easily blown off by a blower, etc., thereby supporting smooth cleaning.

**Water & Oil Repellent Coating**

Water and stain are repelled and can be removed easily, if they attached to the filter. It makes maintenance easy.

**Dynamic Coating**

Special Coating Preventing Deterioration in Image Quality

**AR Multi Coating**

Multi-layer coating reduces surface reflections

---

**Frame Structure**

**Light-Blocking Ridge**

Specially Designed Frame for Preventing Deterioration in Image Quality

Light-blocking Ridge is added to reduce diffused reflections.

**Ultra-Thin Frame Design**

Frame Design with Extremely Low Vignetting

Approximately 20% THINNER
Approximately 30% THINNER
Approximately 40% THINNER

**Male Thread: Teflon Coating**

Smooth Attachment to / Detachment from the Lens

Reducing strong biting of filter frame for lens during the shooting allows smooth attachment to / detachment from the lens.

**Satin Finish & Knurling**

Pursues Higher Image Quality and Easier Handling

Reduces flare and ghosting and supports filter attachment.

**Lens Cap and Hood Attachable**

Lens cap and hood can be attached
MARUMI SPIRITS

We at Marumi provide our customers with high-quality, high-performance products as well as top-notch service.

SINCE 1952

Established in 1952, Marumi Optical has been a manufacturer of camera filters for over 60 years. Guided by our company slogan of “Constantly Continuing to Create New Products,” we at Marumi continue to deliver industry-leading filters to customers worldwide. This is made possible by the technology and culture of our Nagano Plant with its integrated production system and through friendly collaboration with our distributors, who are always ready for new challenges. From Nagano to the world, our commitment to quality knows no bounds.

Where are Marumi Products Produced?

Nagano Prefecture is located in the center of Japan. The Marumi Nagano Plant is surrounded by the southern and central Japanese Alps in an industrial city with a favorable environment and a thriving technology industry. Surrounded by companies that make precision machinery and other equipment, it is the perfect environment for us to develop and manufacture Marumi filters.

Nagano Plant
The Source of High-Quality and High-Performance Products

With a strong focus on in-house manufacturing, we have developed an integrated system for research, development, manufacturing and inspection at our Nagano Plant. We continue to address the challenges of global markets with new Marumi-branded products that rely on the skill, proficiency, and experience of our engineers at the Nagano Plant.

Global Standard Environmental Management System to Ensure High Quality

Nagano Prefecture has been blessed with pure water, clean air, and other natural resources — an ideal environment for craftsmanship to flourish. We have adopted environmental assessments based on global standards so that our Nagano Plant can continue providing users worldwide with the very best products. We strictly abide by ISO 14001.
<table>
<thead>
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<th>Filter</th>
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## ACCESSORIES

### Step Up Ring

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### Lens Cap / Lens Hood

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### Soft Filter Case

- **Color:** Black / Gray
- S size: up to Ø52mm x 6 pcs.
- M size: up to Ø62mm x 6 pcs.
- L size: up to Ø82mm x 6 pcs.

### How to Maintain the Filter

#### Daily Maintenance
Blow dirt and dust by a blower or wipe with a cleaning paper or cloth, etc.

#### For Heavy Stains
For heavy stains, use lens cleaning liquid and a cleaning cloth or paper, etc.  
*Care should be taken, as using an abrasive lens cleaner might result in removal of the coating.

#### Cautions in Conducting Maintenance
Never use water or detergent for cleaning the filter.  
*When not used, store the filter in the filter case, in order to prevent adhesion of dust, and scratches.