



Extra beauty inspired by Marumi
— The pioneer of lens filter in digital photography —

MARUMI
SINCE 1952

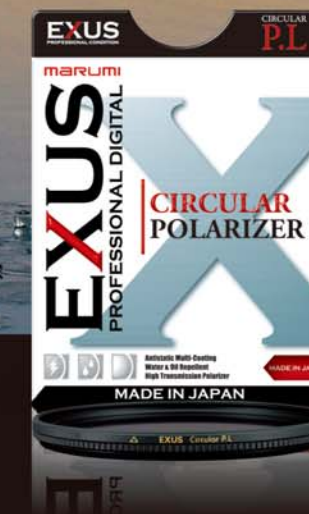
Continuously Evolving

All MARUMI filters are manufactured in our own factory in Nagano Prefecture in Japan, surrounded by high mountains called the Japan South and Central Alps, where the air and water are clean which is ideal for manufacturing high precision products.

For more than 60 years, Marumi has focused exclusively on innovating, developing and manufacturing filters for cameras. Leveraging that technology and experience, we led the world by developing the DHG (Digital High Grade) series of filters for digital single-lens reflex cameras in 2003. Currently, digital cameras are entering a new era. Models with more sophisticated sensors providing higher resolution and better color control are now on the market. They achieve excellent picture quality and high performance, with the promise of future evolution. In response to these technological advances, Marumi has created three superb digital camera filters for the new generation of sophisticated cameras - the EXUS line - providing exceptional performance, features and functionality to support photographers' artistic creations. MARUMI Filters will continue to evolve to support everyone who loves creating great photographs with the finest, most advanced tools.


















Made in Japan

EXUS
PROFESSIONAL DIGITAL



















Filter Line Up for Digital Cameras

	Professional Type EXUS series			High-grade Type DHG SUPER series		
	EXUS UV (L390)	EXUS Lens Protect	EXUS Circular PL	DHG Super UV (L390)	DHG Super Lens Protect	DHG Super Circular PL
Purpose of Use & Effect	UV Cut & Lens Protection	Lens Protection	Color Contrast Improvement	UV Cut & Lens Protection	Lens Protection	Color Contrast Improvement
Package						
Specifications	 High Flatness and Strength  Blackened Outer Rim of Glass			 Blackened Outer Rim of Glass  Blackened Outer Rim of Glass  Blackened Outer Rim of Glass		
	 Antistatic  Water Repellent  Oil Repellent  Ultra-Low Reflection: Under 0.3%			 Antistatic  Water Repellent  Oil Repellent  Ultra-Low Reflection: Under 0.6%		
	 Light-Blocking Ridges  Ultra-Thin Frame Design  Satin Finish  Knurling  Cap Attachable			 Light-Blocking Ridges  Ultra-Thin Frame Design  Satin Finish  Knurling  Cap Attachable		
	 Teflon Coating  Cap Attachable					
Referenced Pages	P.05	P.07	P.10	P.06	P.07	P.10

	Standard Type DHG series			Basic Type FIT + SLIM series		
	DHG UV (L390)	DHG Lens Protect	DHG Circular PL	FIT + SLIM MC UV (L390)	FIT + SLIM MC lens Protect	FIT + SLIM Circular PL
Purpose of Use & Effect	UV Cut & Lens Protection	Lens Protection	Color Contrast Improvement	UV Cut & Lens Protection	Lens Protection	Color Contrast Improvement
Package						
Specifications	 Blackened Outer Rim of Glass  Dynamic Coating			 Blackened Outer Rim of Glass  AR Multi Coating		
	 Ultra-Thin Frame Design  Satin Finish  Knurling  Cap Attachable			 Ultra-Thin Frame Design  Satin Finish  Cap Attachable		
Referenced Pages	P.06	P.8	P.10	P.06	P.08	P.10

List of Specification Icon

Optical Glass			
 High Flatness and Strength A filter glass with improved flatness and strength despite its ultra-thin frame design.	 High Transmission Polarizing Film A polarizing film overwhelmingly brighter than conventional films makes the finder easier to see.	 Blackened Outer Rim of Glass Minimizes internal reflection to reduce flare and ghosting.	
Coating			
 Antistatic Coating Prevents sticking of dirt and dust caused by static electricity.	 Water Repellent Coating High water repellent effect repels water droplets.	 Oil Repellent Coating High oil repellent effect prevents various stains, including fingerprints.	 Dynamic Coating Reduces reflection further by increasing coating layers.
 AR Multi Coating Multi-layer coating reduces surface reflections.	 Ultra-Low Reflection: Under 0.3% Minimizes the surface reflection to get the original performance of the lens.	 Ultra-Low Reflection: Under 0.6% Minimizes the surface reflection to get the original performance of the lens.	
Frame Structure			
 Light-Blocking Ridges Specially designed frame for preventing deterioration in image quality.	 Teflon Coating Makes attachment to / detachment from the lens smooth.	 Ultra-Thin Frame Design Thin frame design makes vignetting extremely low.	 Satin Finish Matte coating minimizes reflection.
 Knurling Designed for easier handling.	 Cap Attachable Lens cap and hood can be attached.		

How to Attach the Filter to the Lens

STEP 1 Verify the Size of the Lens and Filter

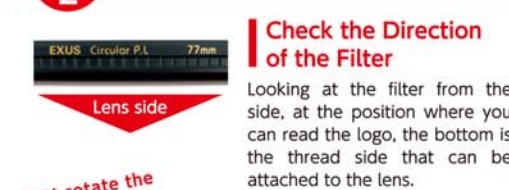


Verify the Size of the Filter

The number written on the upper right side of the package indicates the filter size. Please confirm that it is same as the size of your lens.

★Before attaching the filter, clean the lens by using a blower, etc.

STEP 2 Attach the Filter to the Lens



Attach the Filter to the Lens

The filter can be attached by just rotating it clockwise when viewing it from the front, and fitting it on. Now you can protect your precious lens.

When using a Digital Video Camera
Protect the slide cover from sandy dust, a great enemy to digital video cameras. Intrusion of sandy dust into the sliding lens cover could cause a problem to the automatic opening and closing operation, and may result in a failure.



*Please check for the thread for attaching the filter.

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.



UV cut & Lens Protect

Zero UV, Better Visibility

We provide a full line-up of UV cut filters, which are much needed by customers, for all grades of the Marumi Filter Product. You can capture images just as clear as you see directly by cutting ultraviolet rays at wavelengths of 390 nm and under. More effective when used in distance shooting.

COLUMN

Care Against Ultraviolet Rays is Required Also for Digital Cameras.

Ultraviolet rays are strongly irradiated on clear days, and are easily diffused compared to other visible light by colliding with fine water vapor or very fine dirt and dust in the air, which makes images unclear. Cutting ultraviolet rays realizes pictures close to the ones that are captured by human eyes and enables clear depictions of distant views.

UV Light Irradiation Test

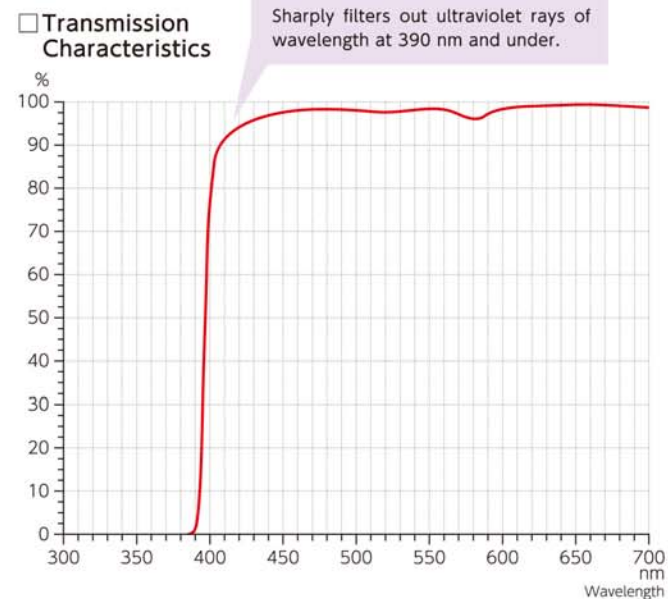
UV cut filter irradiation test using a printed material that changes to pink when exposed to ultraviolet rays.



Conventional lens protector passes ultraviolet rays.



UV cut filter cuts ultraviolet rays.



DHG SUPER UV (L390)
for HEAVY USE & FINE WEATHER

Water Repellent Coating
Repels Water Droplets!

Oil Repellent Coating
Resistant to Fingerprints!

UV cut & Lens Protect

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 UV (L390)

Repels Water Droplets
Water Repellent Coating

High water repellency protects the lens from water.

Resistant to Stain
Oil Repellent Coating

Amazing oil repellent performance allows easy maintenance.

Available Size (mm)

37	39	40	40.5	43	46	48	49	52	55	58	62	67	72	77	82
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DHG UV (L390)
for HEAVY USE & FINE WEATHER

UV cut & Lens Protect

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.

DHG UV (L390)

Available Size (mm)

37	39	40	40.5	43	46	48	49	52	55	58	62	67	72	77	82
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FIT + SLIM MC UV (L390)
for HEAVY USE & FINE WEATHER

UV cut & Lens Protect

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.

FIT + SLIM MC UV (L390)

Available Size (mm)

37	39	40	40.5	43	46	48	49	52	55	58	62	67	72	77	82
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EXUS UV (L390)
for HEAVY USE & FINE WEATHER

Antistatic Coating
Resistant to Static Electricity!

Water Repellent Coating
Repels Water Droplets!

Oil Repellent Coating
Resistant to Fingerprints!

UV cut & Lens Protect

Full Specification Filter with UV Cut Feature

This model, being equipped with the UV cut feature in addition to the stain and water resistance and antistatic features of EXUS series, is a must-have tool for field photographers.

Keeps Dirt and Dust Off
Antistatic Coating

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

Keeps Water Droplets and Fingerprints Off
Water and Oil Repellent Coating

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

Resistant to Flare and Ghosting
New Low Reflection Frame

Light-blocking Ridges are equipped to the frame itself, to minimize diffused reflections.

Effect of antistatic coating

Comparison of Water Repellent Effect

Comparison of Oil Repellent Effect

Available Size (mm)

37	39	40	40.5	43	46	48	49	52	55	58	62	67	72	77	82
----	----	----	------	----	----	----	----	----	----	----	----	----	----	----	----

List of Features

Filter	Feature	Lens Protection	UV Cut	Oil Repellent	Water Repellent	Antistatic
EXUS UV (L390)		○	○	○	○	○
DHG Super UV (L390)		○	○	○	○	
DHG UV (L390)		○	○			
FIT + SLIM MC UV (L390)		○	○			

EXUS

PROFESSIONAL DIGITAL

LENS PROTECT

MADE IN JAPAN

Antistatic Coating

Resistant to Static Electricity!

Water Repellent Coating

Repels Water Droplets!

Oil Repellent Coating

Resistant to Fingerprints!

Lens Protect

Marumi Filter of the Highest Level of Excellence, Which Enhances Shock-Resistant Performance and Achieves Maintenance-Free Care.

EXUS LENS PROTECT enhances the features of lens protector by making the protective glass thicker than that used for conventional products while leaving the frame thickness as it was. In addition, features protecting the lens from troubles such as water, stain, and static electricity are added, in order to reduce the time and effort required for maintenance.

Stronger and Flatter

2 mm Glass Thickness

Flatness and protective feature are improved while the frame itself remains about the same thickness as conventional filters.

Keeps Dirt and Dust Off

Antistatic Coating

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

Keeps Water Droplets and Fingerprints Off

Water and Oil Repellent Coating

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

Resistant to Flare and Ghosting

New Low Reflection Frame

Light-blocking Ridges are equipped to the frame itself, to minimize diffused reflections.

Effect of antistatic coating

Comparison of Water Repellent Effect

Comparison of Oil Repellent Effect

Available Size (mm)

37 39 40 40.5 43 46 48 49 52 55 58 62 67 72 77 82 86 95 105 107 112 127

LENS PROTECT

DHG

DIGITAL HIGH GRADE

LENS PROTECT

for HEAVY USE

MADE IN JAPAN

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.

DHG Lens Protect

Available Size (mm)

37 39 40 40.5 43 46 48 49 52 55 58 62 67 72 77 82 86 95 105 107 112 127

LENS PROTECT

FIT+SLIM

LENS PROTECT

MC lens Protect

MADE IN JAPAN

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

FIT + SLIM MC lens Protect

Available Size (mm)

37 39 40 40.5 43 46 48 49 52 55 58 62 67 72 77 82

My Color Filter | Color Variation



Pearl Color Available Size (mm)	37	39	40	40.5	43	46	48	49	52	55	58	62	67	72	77	82
Vivid Color Available Size (mm)	37	39	40	40.5	43	46	48	49	52	55	58	62	67	72	77	82

Only 49 mm is available for Titanium Color and Pearl Silver.

LENS PROTECT

Does Not Get Stained,
Does Not Get Scratched
Even Under Severe
Circumstances

Stains and scratches on the lens are a great enemy for shooting better pictures. The function of the lens protector is to tightly guard the lens from such a trouble.

DHG SUPER

DHG SUPER LENS PROTECT

for HEAVY USE

MADE IN JAPAN

Water Repellent Coating

Repels Water Droplets!

Oil Repellent Coating

Resistant to Fingerprints!

Lens Protect

Reliable Water and Oil Repellent Performance

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

Repels Water Droplets

Water Repellent Coating

High water repellency protects the filter from water.

Resistant to Stains

Oil Repellent Coating

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

Water Repellent Coating

Oil Repellent Coating

Available Size (mm)

37 39 40 40.5 43 46 48 49 52 55 58 62 67 72 77 82 86 95 105 107 112 127

List of Features

Filter	Feature	Lens Protection	Oil Repellent	Water Repellent	Antistatic
EXUS Lens Protect		○	○	○	○
DHG Super Lens Protect		○	○	○	
DHG Lens Protect		○			
FIT + SLIM MC lens Protect		○			

CIRCULAR POLARIZER

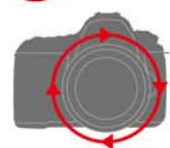
The Moment, More Vivid

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.

COLUMN

How Polarizing Filters Improve Landscape Photographs

STEP 1 Attach the Filter to the Lens

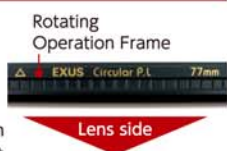


Just Rotate Clockwise and Fit it on!

Please refer to P4 for filter size and how to attach the filter.

STEP 2 Operate the Filter

Different from other filters, the polarizer filter consists of two frames. To adjust the polarizing effect, rotate the operation frame having the logo on it.



STEP 3 Shoot a Picture

A sharp image of the blue sky and white clouds can be captured with higher contrast by adjusting the operation frame.



The Angle between the Sun and the Object

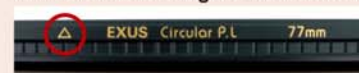
For Landscape Photography

The polarizing effect is maximized when the direction of the sun makes a right angle with the direction of the lens (direction of shooting).

For Water Surface Photography

The reflection is best suppressed when the direction of the lens makes an angle of 30-40 degrees with the reflecting surface.

How to Use the Triangular Mark on the Filter Frame in connection with the Position (Angle) of the Sun



Please rotate the triangular mark on the filter frame in accordance with the direction of the sun.

List of Features

Filter	Feature	Polarizing Effect	Oil Repellent	Water Repellent	Antistatic
EXUS Circular PL		○			○
DHG Super Circular PL		○	○	○	
DHG Circular PL		○			
FIT + SLIM Circular PL		○			

EXUS Circular PL

Antistatic Coating Resistant to Static Electricity! + Water Repellent Coating Repels Water Droplets! + Oil Repellent Coating Resistant to Fingerprints! & CIRCULAR POLARIZING FILTER

30% Greater Light Transmission Ratio than Conventional Polarizing Filters

High transmission polarizing film makes checking of the polarizing effect through the finder easier, which allows easier focusing on the subject. This also enables a richer gradation expression, as the shadow portions of the subject aren't as easily lost.

High Transmission Polarizing Film

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.

Smooth Attachment to / Detachment from the Lens Teflon Coating

A Teflon coating has been applied on the outer periphery of the male thread to make attachment to / detachment from the lens smooth.

Available Size (mm) 37 39 40 40.5 43 46 48 49 52 55 58 62 67 72 77 82

DHG Super Circular PL

Water Repellent Coating Repels Water Droplets! + Oil Repellent Coating Resistant to Fingerprints! & CIRCULAR POLARIZING FILTER

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.

Repels Water Droplets Water Repellent Coating

High water repellency protects the filter from water.

Resistant to Stain Oil Repellent Coating

Amazing oil repellent performance allows easy maintenance.

Available Size (mm) 37 39 40 40.5 43 46 48 49 52 55 58 62 67 72 77 82 86 95 105 107 113 127

DHG Circular PL

CIRCULAR POLARIZING FILTER

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 Size (mm) 37 39 40 40.5 43 46 48 49 52 55 58 62 67 72 77 82 86 95 105 107 113 127

FIT + SLIM Circular PL

CIRCULAR POLARIZING FILTER

Slim Frame Reduces Vignetting. Basic Polarizing Filter

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

Available Size (mm) 37 39 40 40.5 43 46 48 49 52 55 58 62 67 72 77 82

NEUTRAL DENSITY

Controls Exposure Time

ND filter, which can reduce the light volume without any changes in hue, allows even a novice photographer who is unfamiliar with slow shutter speed or iris control to make a difference in his/her pictures.

Without Filter

ND 8

ND 16

ND 32

ND 64

Light Volume can be Controlled as Needed

Four ND filters are available for use in different scenarios; for example, to create a dynamic expression by a long exposure, and to prevent blown out highlights caused by overexposure.



DHG ND
8
(Light Volume 1/8)

Equivalent exposure value: 3 stops



DHG ND
16
(Light Volume 1/16)

Equivalent exposure value: 4 stops



DHG ND
32
(Light Volume 1/32)

Equivalent exposure value: 5 stops



DHG ND
64
(Light Volume 1/64)

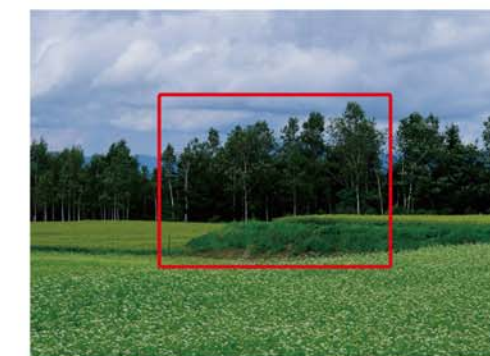
Equivalent exposure value: 6 stops

COLUMN

Realize Correct Exposure by Using ND Filter, Which Controls Light Volume

If the iris of the lens is stopped down drastically, the entire image will become unsharpened (blur small aperture, diffraction phenomenon). ND filter, which can control light volume coming into the lens, can prevent the blurring caused by such an over stopping down, as well as deterioration in image quality caused by overexposure.

Usage Examples of ND Filter



With ND Filter (F5)



Without ND Filter (F22)

NEW



Vari. ND2.5-ND500

Flexible with This One Filter (from ND2.5 to ND500)

Reduction of light volume can be adjusted over a wide range from 1/2.5 to 1/500 without any influence to the color balance. This filter has ultra-thin frame despite its double frame structure. It makes vignetting extremely low and supports easy handling.



Effective for Digital Video Camera

The shutter speed is fixed for video shooting. Desired depth of field can be achieved, as the iris can be controlled by using Vari ND filter.

When You Want to Use Slow Shutter Speed Even under Bright Conditions



Shooting using a tripod is recommended.

Have you experienced the shutter being released earlier than you expected when shooting under too bright sunlight, when shooting a highly reflective water surface, etc.? The light volume can be reduced by using ND filter, and you can intentionally control shutter speed and iris value.

Available Size (mm)

	37	39	40	40.5	43	46	48	49	52	55	58	62	67	72	77	82
DHG ND8	●	—	—	●	●	●	—	●	●	●	●	●	●	●	●	●
DHG ND16	●	—	—	●	●	●	—	●	●	●	●	●	●	●	●	●
DHG ND32	●	—	—	●	●	●	—	●	●	●	●	●	●	●	●	●
DHG ND64	●	—	—	●	●	●	—	●	●	●	●	●	●	●	●	●
DHG ND-100000	—	—	—	—	—	—	—	—	—	—	●	—	—	—	●	—
Vari. ND2.5-ND500	—	—	—	—	—	—	—	—	—	—	●	—	—	—	●	—

SPECIAL

Take a Picture of a Solar Eclipse

It's a miraculous astronomical show caused by the movement of the sun, earth, and moon.

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

Month/Day/Year	Location	Type of Solar Eclipse
3/20/2015	Faeroe Islands, Svalbard Islands	Total
3/9/2016	Indonesia, Pacific Ocean-North Pacific Ocean	Total
9/1/2016	Gabonese Republic to Mozambique, Madagascar-South Indian Ocean	Annular
2/26/2017	South Pacific Ocean to Chile and Argentine in South America-Africa	Annular
8/21/2017	Across the U.S.A. from Oregon to South Carolina	Total

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



Partial Solar Eclipse

Solar eclipse that occurs when the moon partially obscures the sun.



Annular Solar Eclipse

Solar eclipse that occurs when the moon is in a location far from the earth and the edge of the sun remains visible as a bright ring around the moon.



Total Solar Eclipse

Solar eclipse that occurs when the moon is in a location close to the earth and the sun is completely obscured by the moon.



The picture represents just images.



Shooting using a tripod is recommended.



DHG ND-100000



Need Special Filter for Solar Eclipse Shooting

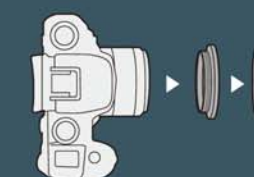
This is a special filter for shooting the sun, which has special effect to withstand the light and heat from the sun, and can reduce the light volume to 1/100,000 in order to shoot the sun.

Caution: To shoot the sun

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

Available for 58 mm and 77 mm

Users of the 58 mm or 77 mm lens size can attach the filter directly. Users of other lens sizes are required to purchase a step ring.



DHG ND-100000
58mm / 77mm

For choosing the Step Ring Lens Size (mm)

37 40.5 46 49 53 55 58 62 67 72 77 82

Combination of 58 mm filter with each size of lens

Combination of 77 mm filter with each size of lens

SPECIAL Filter

Use of Special Effects

Select the most effective filter depending on the purpose:
 to create gorgeousness with the light, cross screen filter;
 to wrap images with soft light, soft filter;
 to take better close-up images, close-up lens filter.

Cross Screen Filter

Star Pattern Effect Creates Gorgeousness in the Light.

This filter creates a star pattern at a single point of light from the subject. The rotating frame is employed to enable free changing of the direction of the pattern. A clear star pattern effect with reduced ghosting and flare created by reflecting light can be obtained in shooting a nightscape.

Applicable for Video Shooting

For movie video shooting, fantastic video with glittering star patterns can be obtained by rotating the filter frame while shooting.

Available Size (mm) 37 39 40 40.5 43 46 48 49 52 55 58 62 67 72 77 82

Soft Effect Filter

Creates Soft Impression to Pictures of Flowers, Females, and Babies

This filter generates soft effect. A smoothly blurred image can be described.
 *Care should be taken, as this effect has a dependency on direction of light.

Easy to Operate

There are some difficulties; for example, selecting the lens and setting the camera, when trying to make an image with soft impression.

Available Size (mm) 37 39 40 40.5 43 46 48 49 52 55 58 62 67 72 77 82

Close up Lens Filter

Convenient to Carry Around for Close up Shooting

A close-up picture can be easily taken near the subject. Shortening the minimum object distance of the lens makes it possible to take a magnified image of flowers and small objects. Unexpected reflection is minimized by lengthening the total length of the frame in order to cut sidelight.

Lightweight and Compact

This filter is very light, at 100 g or less. It's a pocket-sized filter, so is easy to carry around in a camera bag or in a pocket. You can enjoy close-up photography at will.

Available Size (mm) 37 39 40 40.5 43 46 48 49 52 55 58 62 67 72 77 82

Close-up Picture with Clearness Including Periphery

Allows close-up shooting, as the minimum object distance can be shortened. Chromatic aberration on periphery is also reduced by using multiple lenses.

Achromat Macro200 Available Size (mm) 37 39 40 40.5 43 46 48 49 52 55 58 62 67 72 77 82

Achromat Macro330 Available Size (mm) 37 39 40 40.5 43 46 48 49 52 55 58 62 67 72 77 82

Recommended Filter for Each Shooting Scene

Landscape

Makes Images More Vivid for All Four Seasons



EXUS
Circular PL
P10



DHG Super
Circular PL
P10



DHG
Circular PL
P10



FIT + SLIM
Circular PL
P10

Flower

Gets Well Close to Small Flowers or Makes Images Soft



DHG
Macro 3
P14



DHG
Soft Fantasy
P14

Waterfall, Water Stream, Waterfront

Describes Impressive Streams of Water and Sparkling of Light



DHG
ND
P11



DHG
Star Cross
P13

Nightscape, Luminary, Party

Makes Images Impressive by Creating Decorative Accents of Star Pattern Effect



DHG
Star Cross
P13

Portrait, Family Photograph

Creates Gentle Impression with Memorable Family Photographs



DHG
Soft Fantasy
P14



DHG
Macro 3
P14

Table Photograph

Creates Unique Impression with Fancy and Small Items and Beautiful Cuisine



DHG
Macro 3
P14



DHG
Soft Fantasy
P14

MARUMI FILTER TECHNOLOGY

Coating

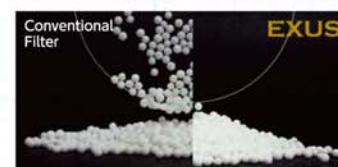


Antistatic Coating

EXUS

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.



Dynamic Coating

DHG

Special Coating Preventing Deterioration in Image Quality

Reduces reflection further by increasing coating layers.



Water Repellent Coating

EXUS / DHG SUPER

Allows Smooth Shooting Even at Waterfronts or under Rainy Conditions

The effect of a water repellent coating repels water droplets. This makes it easy to blow off water droplets if they attach to the filter.

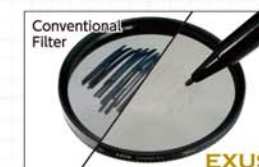


Oil Repellent Coating

EXUS / DHG SUPER

Fingerprints can be Easily Wiped Off

Oil repellent coating resists adhesion of stains to the lens, and if you unintentionally touch the lens, the stains can be wiped off easily, thereby enabling easy care.



Flare



Dynamic coating suppresses flare

Optical Glass



High Transmission Polarizing Film

EXUS Circular PL

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.



Frame Structure



Light-Blocking Ridge

EXUS

Specially Designed Frame for Preventing Deterioration in Image Quality

Light-blocking Ridge is added to reduce diffused reflections.



Satin Finish & Knurling

EXUS / DHG SUPER / DHG / FIT + SLIM

Pursues Higher Image Quality and Easier Handling

Reduces flare and ghosting and supports filter attachment.

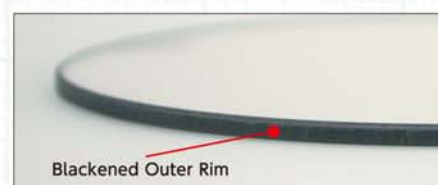


Blackened Outer Rim

EXUS / DHG SUPER / DHG

Reduces Internal Reflections

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



Ultra-Thin Frame Design

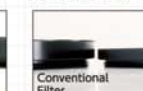
EXUS / DHG SUPER / DHG / FIT + SLIM

Frame Design with Extremely Low Vignetting

Approximately 20% CUT Single Frame Structure such as Lens Protector: Approximately 20% thinner than conventional filter



Approximately 30% CUT Single Frame Structure of FIT + SLIM: Approximately 30% thinner than conventional filter



Approximately 40% CUT Double Frame Structure such as Polarizing Filter: Approximately 40% thinner than conventional filter

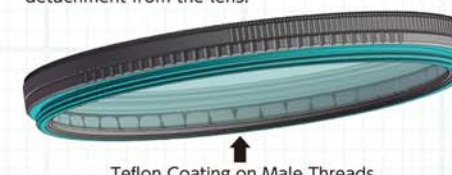


Male Thread: Teflon Coating

EXUS Circular PL

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.



Teflon Coating on Male Threads

■ FILTER LINE UP

Filter	Size(mm)	27	28	30	30.5	37	39	40	40.5	43	46	48	49	52	55	58	62	67	72	77	82	86	95	105	107	112	127
EXUS UV (L390)						●	●			●	●		●	●	●	●	●	●	●	●	●	●					
EXUS Lens Protect						●	●			●	●		●	●	●	●	●	●	●	●	●	●	●				
EXUS Circular PL						●	●			●	●		●	●	●	●	●	●	●	●	●	●	●				
DHG Super UV (L390)						●	●			●	●		●	●	●	●	●	●	●	●	●	●	●				
DHG Super Lens Protect						●	●			●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
DHG Super Circular PL						●	●			●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
DHG UV (L390)						●	●			●	●		●	●	●	●	●	●	●	●	●	●	●				
DHG UV (L370)						●	●			●	●		●	●	●	●	●	●	●	●	●	●	●				
DHG Lens Protect						●	●			●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
DHG Circular PL						●	●			●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
FIT + SLIM MC UV (L390)						●	●			●	●		●	●	●	●	●	●	●	●	●	●	●				
FIT + SLIM MC Lens Protect						●	●			●	●		●	●	●	●	●	●	●	●	●	●	●				
FIT + SLIM Circular PL						●	●			●	●		●	●	●	●	●	●	●	●	●	●	●				
Lens Protect Pearl Blue						●	●			●	●		●	●	●	●	●	●	●	●	●	●	●				
Lens Protect Pearl Red						●	●			●	●		●	●	●	●	●	●	●	●	●	●	●				
Lens Protect Pearl White						●	●			●	●		●	●	●	●	●	●	●	●	●	●	●				
Lens Protect Pearl Gold						●	●			●	●		●	●	●	●	●	●	●	●	●	●	●				
Lens Protect Pearl Lime						●	●			●	●		●	●	●	●	●	●	●	●	●	●	●				
Lens Protect Pearl Yellow						●	●			●	●		●	●	●	●	●	●	●	●	●	●	●				
Lens Protect Pearl Pink						●	●			●	●		●	●	●	●	●	●	●	●	●	●	●				
Lens Protect Pearl Silver						●	●			●	●		●	●	●	●	●	●	●	●	●	●	●				
Lens Protect Vivid Blue						●	●			●	●		●	●	●	●	●	●	●	●	●	●	●				
Lens Protect Vivid Lime						●	●			●	●		●	●	●	●	●	●	●	●	●	●	●				
Lens Protect Vivid Purple						●	●			●	●		●	●	●	●	●	●	●	●	●	●	●				
Lens Protect Titanium						●	●			●	●		●	●	●	●	●	●	●	●	●	●	●				
DHG Star Cross						●	●			●	●		●	●	●	●	●	●	●	●	●	●	●				
DHG Soft Fantasy						●	●			●	●		●	●	●	●	●	●	●	●	●	●	●				
DHG Macro 3						●	●			●	●		●	●	●	●	●	●	●	●	●	●	●				
DHG Achromat Macro 200(+5)						●	●			●	●		●	●	●	●	●	●	●	●	●	●	●				
DHG Achromat Macro 330(+3)						●	●			●	●		●	●	●	●	●	●	●	●	●	●	●				
DHG ND8						●	●			●	●		●	●	●	●	●	●	●	●	●	●	●				
DHG ND16						●	●			●	●		●	●	●	●	●	●	●	●	●	●	●				
DHG ND32						●	●			●	●		●	●	●	●	●	●	●	●	●	●	●				
DHG ND64						●	●			●	●		●	●	●	●	●	●	●	●	●	●	●				
DHG ND-100000						●	●			●	●		●	●	●	●	●	●	●	●	●	●	●				
Vari.ND2.5-ND500						●	●			●	●		●	●	●	●	●	●	●	●	●	●	●				
DHG Bluehancer						●	●			●	●		●	●	●	●	●	●	●	●	●	●	●				
DHG Redhancer						●	●			●	●		●	●	●	●	●	●	●	●	●	●	●				
DHG Greenhancer						●	●			●	●		●	●	●	●	●	●	●	●	●	●	●				
PL		●	●	●	●	●	●			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
C-PL		●	●	●	●	●	●			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
MC PL						●	●			●	●		●	●	●	●	●	●	●	●	●	●	●				
MC C-PL						●	●			●	●		●	●	●	●	●	●	●	●	●	●	●				
Wide PL						●	●			●	●		●	●	●	●	●	●	●	●	●	●	●				
Wide C-PL						●	●			●	●		●	●	●	●	●	●	●	●	●	●	●				
Wide MC PL						●	●			●	●		●	●	●	●	●	●	●	●	●	●	●				
Wide MC C-PL						●	●			●	●		●	●	●	●	●	●	●	●	●	●	●				
WPC Circular PL						●	●			●	●		●	●	●	●	●	●	●	●	●	●	●				
WPC UV						●	●			●	●		●	●	●	●	●	●	●	●	●	●	●				
UV/IR Cut						●	●			●	●		●	●	●	●	●	●	●	●	●	●	●				
Infrared HWB-830						●	●			●	●		●	●	●	●	●	●	●	●	●	●	●				
Infrared HB-700						●	●			●	●		●	●	●	●	●	●	●	●	●	●	●				
Sky-1B		●	●	●	●	●	●			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
MC Sky-1B						●	●			●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
WPC Sky-1B						●	●			●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
80A		●	●	●	●	●	●			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
MC 80A						●	●			●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
80B		●	●	●	●	●	●			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
MC 80B						●	●			●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
81A		●	●	●	●	●	●			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
MC 81A						●	●			●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
81B		●	●	●	●	●	●			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
MC 81B						●	●			●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
82A		●	●	●	●	●	●			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
MC 82A						●	●			●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
85A		●	●	●	●	●	●			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
MC 85A						●	●			●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
85B		●	●	●	●	●	●			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
MC 85B						●	●			●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
CC F-DL						●	●			●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
MC CC F-DL						●	●			●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
CC F-WL						●	●			●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
MC CC F-WL						●	●			●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

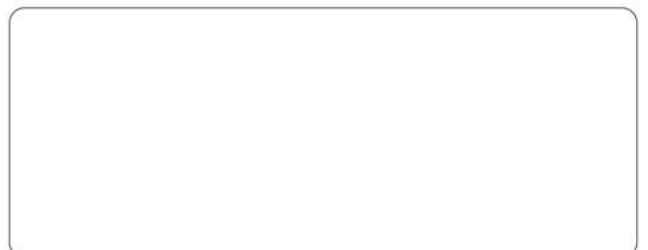
Filter		Size(mm)					27	28	30	30.5	37	39	40	40.5	43	46	48	49	52	55	58	62	67	72	77	82	86	95	105	107	112	127	
Cross Screen			●	●	●	●	●							●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
6X-Cross			●	●	●	●	●							●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
8X-Cross			●	●	●	●	●							●	●	●	●	●	●	●	●	●	●	●	●	●	●					●	
Silky Soft A																		●	●	●	●	●	●	●	●	●						●	
Silky Soft B																		●	●	●	●	●	●	●	●	●						●	
Diffusion			●	●	●	●	●							●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●	
Diff-II														●	●	●	●	●	●	●	●	●	●	●	●	●	●	●					●
Spot														●	●	●	●	●	●	●	●	●	●	●	●	●	●						
Soft Spot														●	●	●	●	●	●	●	●	●	●	●	●	●	●						
Sand Spot														●	●	●	●	●	●	●	●	●	●	●	●	●	●						
Fogglizer			●	●	●	●	●							●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●	
Close-UP Lens +1, +2, +3, +4			●	●	●	●	●							●	●	●	●	●	●	●	●	●	●	●	●	●	●						
MC Close-UP Lens +1, +2, +3, +4														●	●	●	●	●	●	●	●	●	●	●	●	●							
Close-Up Set (+1,+2,+4)														●	●	●	●	●	●	●	●	●	●	●	●	●							
MC Close-Up Set (+1,+2,+4)														●	●	●	●	●	●	●	●	●	●	●	●	●							
Macro +10																		●	●	●	●												
ND2			●	●	●	●	●							●	●	●	●	●	●	●	●	●	●	●	●	●	●						
MC ND2														●	●	●	●	●	●	●	●	●	●	●	●	●	●	●					
NEO MC-ND2X			●	●	●	●	●							●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●				
ND4			●	●	●	●	●							●	●	●	●	●	●	●	●	●	●	●	●	●	●	●					
MC ND4														●	●	●	●	●	●	●	●	●	●	●	●	●	●	●					
NEO MC-ND4X			●	●	●	●	●							●	●	●	●	●	●	●	●	●	●	●	●	●	●	●					
ND8			●	●	●	●	●							●	●	●	●	●	●	●	●	●	●	●	●	●	●	●					
MC ND8														●	●	●	●	●	●	●	●	●	●	●	●	●	●	●					
NEO MC-ND8X			●	●	●	●	●							●	●	●	●	●	●	●	●	●	●	●	●	●	●	●					
Half ND4																		●	●	●	●												
Hancer	Redhancer, Greenhancer, Bluehancer													●	●	●	●	●	●	●	●	●	●	●	●	●							
Hancer-Light	Redhancer-Light, Greenhancer-Light, Bluehancer-Light													●	●	●	●	●	●	●	●	●	●	●	●	●							
Graduated Color	Brown, Blue, Gray, Green, Pink, Lilac, Yellow, Wine, Violet					●								●	●	●	●	●	●	●	●	●	●	●	●	●							
Y2		●	●	●	●	●								●	●	●	●	●	●	●	●	●	●	●	●	●	●						
MC Y2						●								●	●	●	●	●	●	●	●	●	●	●	●	●	●	●					
YA2		●	●	●	●	●								●	●	●	●	●	●	●	●	●	●	●	●	●	●	●					
MC YA2						●								●	●	●	●	●	●	●	●	●	●	●	●	●	●	●					
R2		●	●	●	●	●								●	●	●	●	●	●	●	●	●	●	●	●	●	●	●					
MC R2						●								●	●	●	●	●	●	●	●	●	●	●	●	●	●	●					
PO0		●	●	●	●	●								●	●	●	●	●	●	●	●	●	●	●	●	●	●	●					
MC PO0						●								●	●	●	●	●	●	●	●	●	●	●	●	●	●	●					
PO1		●	●	●	●	●								●	●	●	●	●	●	●	●	●	●	●	●	●	●	●					
MC PO1						●								●	●	●	●	●	●	●	●	●	●	●	●	●	●	●					



MARUMI

MARUMI OPTICAL CO.,LTD.
<http://www.marumi-international.com/>

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Tokyo 114-0014, Japan
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Fax. +81/(0)3/3822-0466



NEW

PROFESSIONAL DIGITAL
marumi

EXUS

PROFESSIONAL DIGITAL

[ig-'səs]

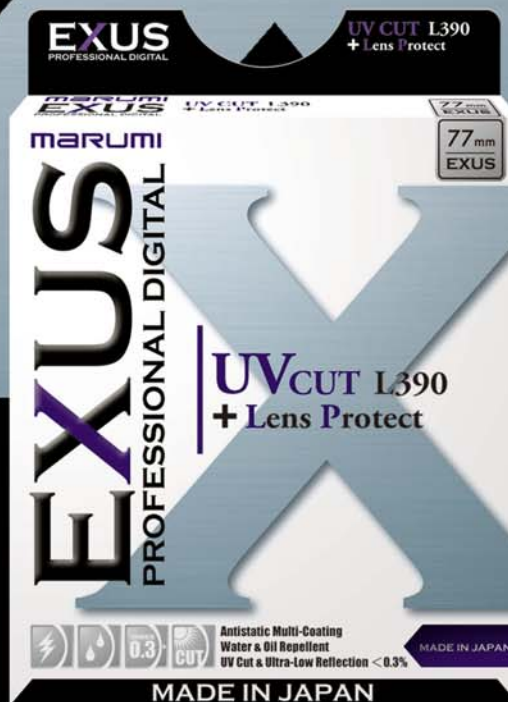
“**Ex**perience” + “**U**ltimate” + “**S**pecifications”

EXUS conveys the ultimate specifications
based on Marumi's expertise and technology



EXUS Lens Protect

EXUS
PROFESSIONAL DIGITAL
**LENS
PROTECT**



MADE IN JAPAN

EXUS UV L390

EXUS
PROFESSIONAL DIGITAL
**UV CUT L390
+ Lens Protect**



EXUS Circular P.L.

EXUS
PROFESSIONAL DIGITAL
**CIRCULAR
POLARIZER**

MADE IN JAPAN

EXUS Perfect for All Digital Photographers

EXUS Series Features

Antistatic Coating
Protects the Lens from Fine Dirt and Dust

Rub the filters with a cleaning cloth and then bring them close to Styrofoam. The conventional filter is charged with static electricity and Styrofoam sticks to the glass. But not the EXUS filter.

Water Repellent Coating
Repels Water

Apply water droplets to both filters and shake them. Water spreads over the conventional filter. But the EXUS filter repels water droplets.

Oil Repellent Coating
Guards the Lens from Stains and Fingerprints

Permanent marker, like fingerprints, adheres to surface of the conventional filter. But it is repelled by the EXUS filter.

Protect Your Lens from Dust and Scratches

EXUS UV CUT L390+Lens Protect

Antistatic Coating + Water Repellent Coating + Oil Repellent Coating

EXUS UV CUT L390
+ Lens Protect

EXUS UV CUT L390 filter cuts UV rays at the wavelength of 390nm and under to reproduce a clear image of distant views, and protects your lens from dust and scratches.

Sharp Cut UV Glass (L390)
Absorbs the ultraviolet rays at the wavelength of 390nm and under to reproduce a clear image without haze.

Ultra-Low Reflection Less than 0.3%
Less than 0.3% reflection minimizes flare and ghosting. Blackened outer rim of lens minimizes internal reflection.

EXUS LENS PROTECT

Antistatic Coating + Water Repellent Coating + Oil Repellent Coating

EXUS LENS PROTECT

EXUS LENS PROTECT glass is flatter and stronger than conventional filters to maximize the performance of your lens. This essential filter protects valuable camera lenses from dust, scratches and impact.

Slim Frame for Low Reflection
Light-Blocking Ridges on the inner side of the frame reduce reflection, and the entire frame has a satin finish.

Flatter and Stronger than conventional filters
Despite the slim frame, we achieve extreme flatness by increasing the thickness of the filter glass.

How to Attach the Filter to the Lens

- Verify the Size of the Lens**
Look on the side or front of the lens, or on the inside of the lens cap. This number indicates the filter size of your lens.
- Check the Size of the Filter**
It is written on the right upper side of package of the filter. Please confirm that it is same as that of the lens.
- Check the Direction of the Filter**
At the position where you can read the EXUS logo from the side, the bottom frame can be attached to the lens.
- Attach the Filter to the Lens**
Please rotate the filter clockwise when seeing the lens from the front, and fit it on.

Produce Clear and Vibrant Landscape Photographs

EXUS CIRCULAR POLARIZER

Antistatic Coating + Water Repellent Coating + Oil Repellent Coating + High Transmission Polarizing Film

EXUS CIRCULAR POLARIZER filter increases color saturation and reduces reflections. The high-transmission polarizer yields brighter colors and improved contrast, and gives you more flexibility when taking pictures.

30% Greater Light Transmission Ratio than Conventional Polarizing Filter

High Transmission Polarizing Film
Easier to focus, easier to compose, easier to verify the polarizing effectiveness.

Teflon Coating on Male Threads
Makes attaching / detaching of filter and lens smooth and easy.

Antistatic Coating
The Styrofoam sticks to the conventional filter due to the static electricity, but it does not stick to the EXUS filter.

Water and Oil Repellent Coating
Apply water droplets to both filters and shake them. Water spreads over the conventional filter. But the EXUS filter repels water droplets. Permanent marker, like fingerprints, adheres to surface of the conventional filter. But it is repelled by the EXUS filter.

Ultra-Low Reflection Less than 0.6%
Less than 0.6% reflection minimizes flare and ghosting. Blackened outer rim of lens minimizes internal reflection.

How EXUS Polarizers Improve Landscape Photographs

- Attach the Filter to the Lens**
Rotate the frame with the male thread of filter clockwise as seen from the front when putting it onto lens.
- Adjust the Polarizer and take pictures**
The polarizer filter consists of two frames. Please rotate the front frame while looking through the camera finder to achieve best color and contrast.

NOTE
A polarizer is not effective in backlit photography. If you can't achieve the color or contrast you want, change your shooting position slightly and try again.

POINT
(Avoid backlit photography) → (Look at the finder) → (Rotate the frame)

Vivid Blue Sky

Cut Reflection to See Through the Water

Without Filter | With Filter



Continuously Evolving

All MARUMI filters are manufactured in Japan,
in our own factory in the town of Minowa in Kamiina District,
located near the center of Nagano Prefecture.

For more than 60 years, Marumi has focused exclusively on innovating, developing
and manufacturing filters for cameras. Leveraging that technology and experience,
we led the world by developing the DHG (Digital High Grade) series of filters
for digital single-lens reflex cameras in 2003.

Currently, digital cameras are entering a new era.

Models with more sophisticated sensors providing higher resolution and
better color control are now on the market.

They achieve excellent picture quality and high performance, with the promise of future evolution.

In response to these technological advances,

Marumi has created three superb digital camera filters for the
new generation of sophisticated cameras - the EXUS line - providing exceptional performance,
features and functionality to support photographers' artistic creations.

MARUMI Filters will continue to evolve to support everyone
who loves creating great photographs with the finest, most advanced tools.

UV CUT L390 +Lens Protect	SIZE	49mm 52mm 55mm 58mm 62mm 67mm 72mm 77mm 82mm												
LENS PROTECT	SIZE	37mm	40.5mm	43mm	46mm	49mm	52mm	55mm	58mm	62mm	67mm	72mm	77mm	82mm
CIRCULAR POLARIZER	SIZE	37mm	40.5mm	43mm	46mm	49mm	52mm	55mm	58mm	62mm	67mm	72mm	77mm	82mm

Specifications and appearance are subject to change without notice.

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