



PHOTO MILES MORGAN

PRODUCT BROCHURE

B.way 2021



- 2018
The first generation of magnetic filter comes out
- 2020
Introduction of professional magnetic filter

- 2020
Introduction of Nikon z14-24 special magnetic suction filter

B.way is a modern company, and always take "catching moment" as the corporate philosophy, Committed to developing into an innovative company company with innovation, fashion, technology and integration in the photographic equipment industry, Absorb advanced idea and continuously introduce new products with excellent performance.

In 2012, the UV and CPL filter products launched by B.WAY were welcomed by the market as soon as they went on the market.

In 2014, the ultra-thin series of products were launched.

In 2015, b.way launched the landscape high-definition optical glass square filter. the product color cast and image quality are at the leading level in the industry.

In 2017, the newly designed magnetic filter and the new square holder with black technology color have obtained 3 patents. Released the first magnetic adsorption filter in 2018 , breaking the traditional filter installation mode. Wide-angle magnetic filter was introduced in 2020.

Drop-in filter adapter will be launched in 2021. With the continuous investment in product research and development and the spirit of innovation, With the continuous investment in product research and development and the spirit of innovation, B.way has been recognized by professional photographers more and more!

B.way®

B·\WAY

Other side photography

B·\WAY

Other side photography

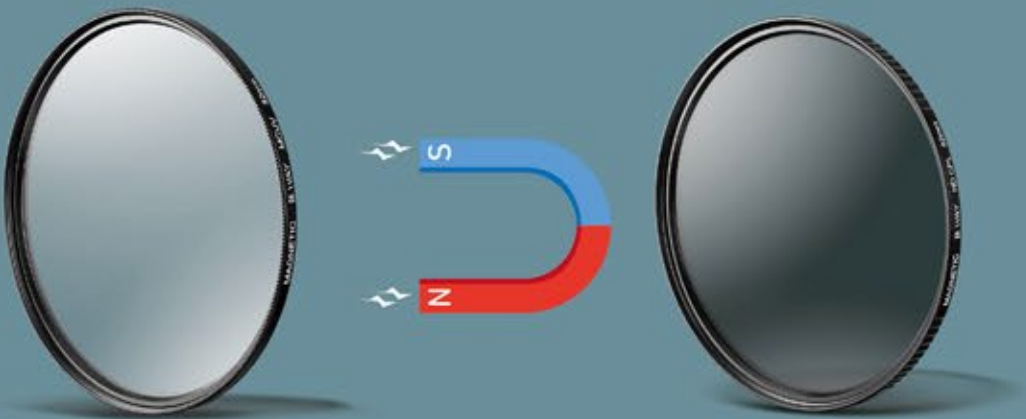
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Magnetic filter



Component description

Before using the magnetic filter, install the B.way magnetic special UV filter on the front of the lens.



ND can be used along with CPL.



Separate magnetic ND can be used in front of the UV filter for long exposure shots, and drawing-type vignette scenes or to remove the dynamic effect caused by a crowd.



Without installing the special UV filter, the magnetic ND or the magnetic CPL cannot be used.



CPL can be rotated to 360 degrees after installing.

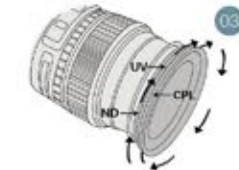


Photo : Jingshu Zhu



Patent number: ZL201721290691.1

Innovative Design patented product

- In 2017, b.way began to develop magnetic filter
- Application for China utility model patent of magnetic filter in 2017
- Launch of magnetic filter in 2018
- In 2018, the magnetic suction filter obtained the Chinese utility model patent certificate, patent No
- Research and development of the second generation wide angle magnetic filter in 2019
- In 2020, the second generation wide-angle magnetic suction filter will obtain utility model patent
- In 2020, the second generation wide angle magnetic filter will be launched

Active filter set

- The magnetic design is safe and reliable, and will not fall off.
- Fast loading and unloading, save shooting time.
- Easy to carry.
- It avoids the phenomenon that the threaded filter is stuck on the lens and can not be screwed down, and the phenomenon that the two filters are stacked dead is avoided.

Product Features:

- Safe and reliable magnetic design ensures that the filter doesn't fall.
- Quick installation/uninstallation, saves time when taking photos.
- Portable and convenient.
- Threaded filter getting jammed and stuck to the lens is a thing of the past.
- No more locking of 2 stacked filters.



Professional wide - angle lens Magnetic filter



Patent number: ZL 202020525188.1



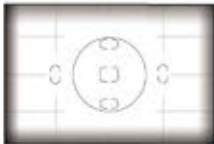
Product Features:

- Product Features
- No vignetting when used in extrawide angle lens
- Multi pieces can be stacked together
- Progressive addition lens can be adjusted up and down
- Magnetic design ensures quick installation/uninstallation, which saves time when taking photos.
- Quick installation/uninstallation, saves time when taking photos.
- Portable and convenient.
- Threaded filter getting jammed and stuck to the lens is a thing of the past.
- No more locking of 2 stacked filters.

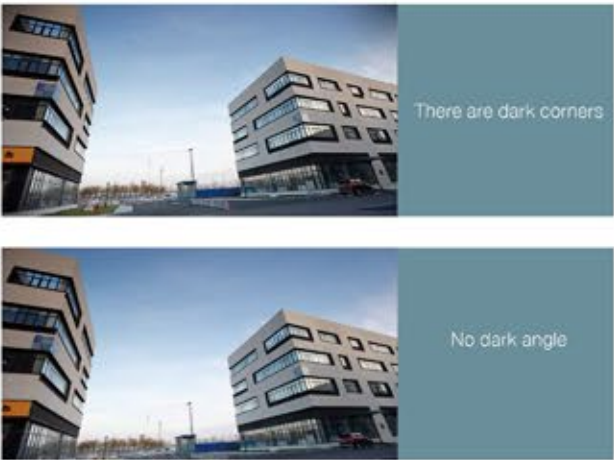
Scenario description

Photographers often need to travel for a shoot, and in addition to their personal luggage, they also need to carry a lot of photography equipment, tripods, etc. Landscape photographers also need square filters. The square filter and the filter holder are heavy and occupy a lot of space and are difficult to carry. The magnetic filter is compact and easy to carry.

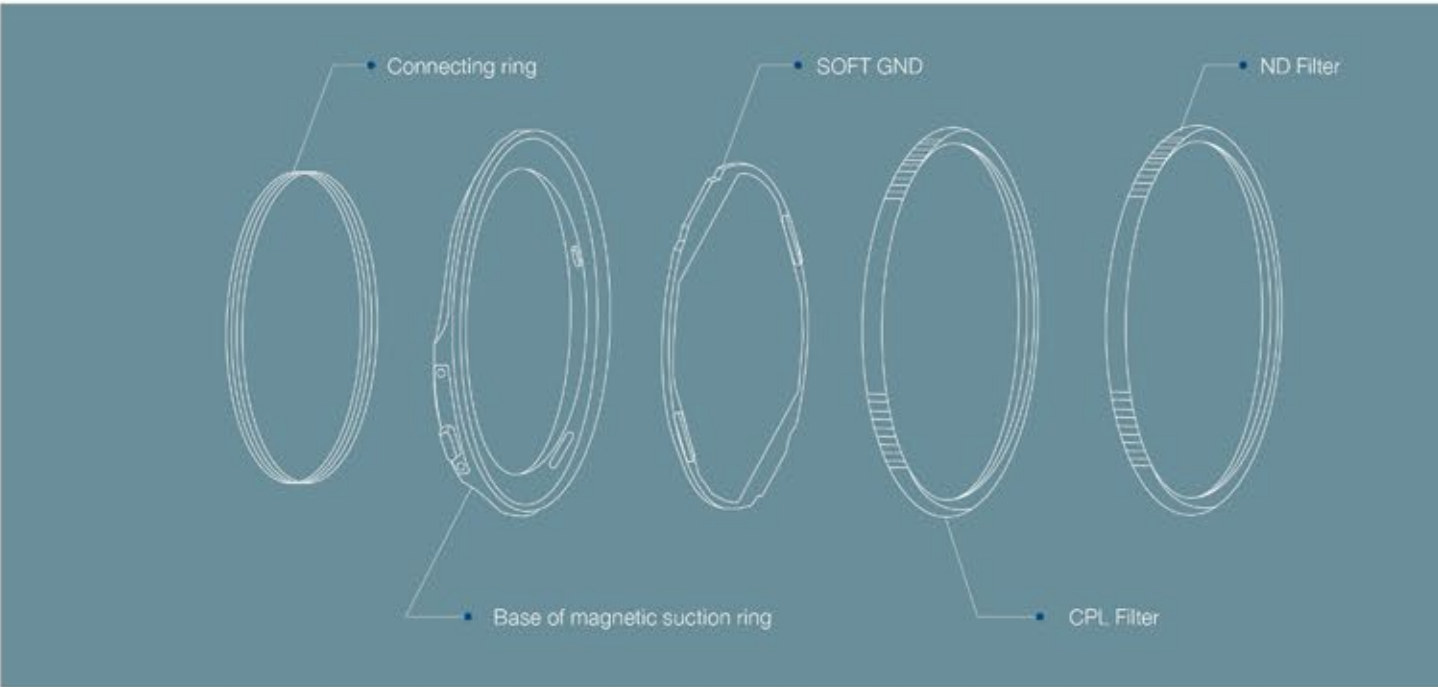
If multiple filters are stacked, dark corners may appear when using wide-angle lenses.



In landscape photography, the best time to take a picture is usually 10 minutes before the sun sets. This is the time when the sky looks ethereal and light changes very quickly. It is thus necessary change filters quite often and to take photos quickly. When you use a square filter, it takes a lot of time and effort to replace the filter, and it must be done with a lot of care as there is a risk of the filter getting damaged if it drops, which is not only an expensive proposition but also adversely affects the shoot. If you use an ordinary threaded filter on top of the polarization or ND filter, the filters can often get locked together if they are not screwed properly, in which case, you will not be able to continue with your shoot, until you remove the filter. Here is the advantage of the magnetic filter. It is flexible, can be quickly and easily installed, and doesn't need to be aligned. Just place the magnetic filter in front of the lens or even a little distance from the lens, and it will quickly attach to the lens due to the strong magnet on the filter. It is also very easy to remove after you are done with your shoot. Just pull gently with a little force, and you can then place the filter back in its bag or even attach it to any metal surface. You can now save a lot of time during your shoot and focus more on taking good photos than waste time installing ordinary threaded filters.



on 16mm wide-angle



How to use

Before using the magnetic filter system, first install the dedicated UV filter or the adapter on the front of the lens.



There are 2 magnetic points on GND, thus the GND can be attached to the base of the magnetic adapter. Ensure that the GND is stuck in the 2 limit slots on the base. You can touch the 2 upper and lower finger positions of GND, and push GND to move up and down to adjust the position of progressive addition. CPL and ND filters can be attached to the base, and can be rotated 360 degrees after installation. The ND, CPL and GND can also be used together.



Then press the button on the base of the magnetic adapter, align it with the groove on the outside of the UV or the adapter ring, release the button, it is OK if locked.



Without a dedicated UV filter or adapter, the magnetic ND or magnetic CPL filter cannot be used. The product includes a magnetic high-definition UV filter, a magnetic high-definition polarizer, a magnetic ND3.0 10-stop neutral density filter, and a frosted bag made from top-grade cowhide.





Photo : Bingo

L41 IR CUT UV

Product Features:

- Blocks UV and IR; Passes Visible Light
- Reduces Haze and Enhances Contrast
- Accurate Colors with Digital Sensors
- Multi-Coating
- No ghost No halos
- Optical Glass, Aluminum Ring
- Stackable Filter slim Ring
- Waterproof and Oilproof



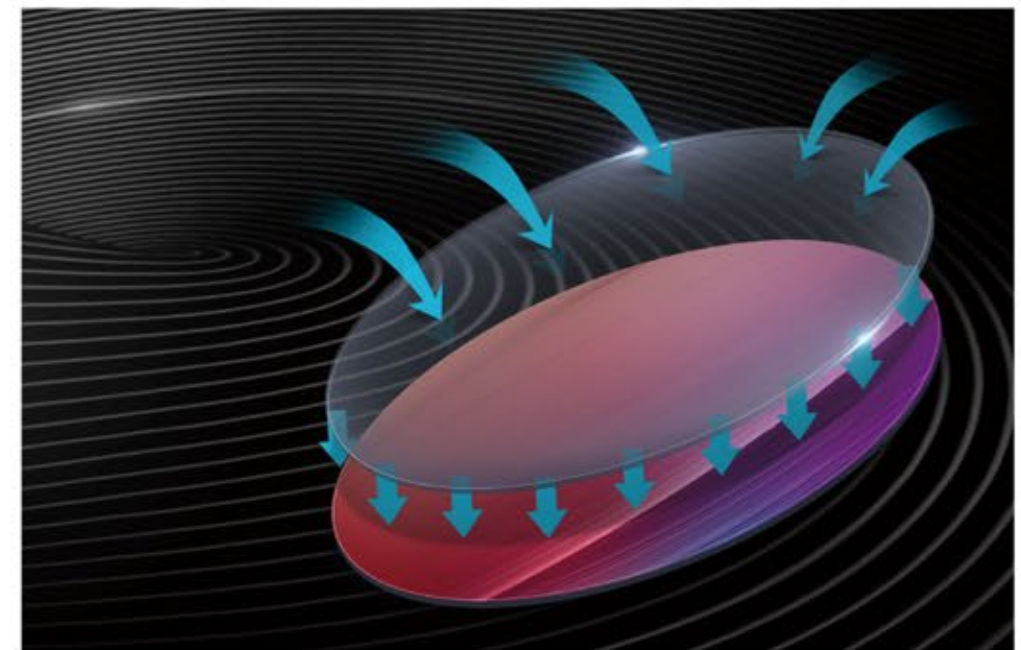
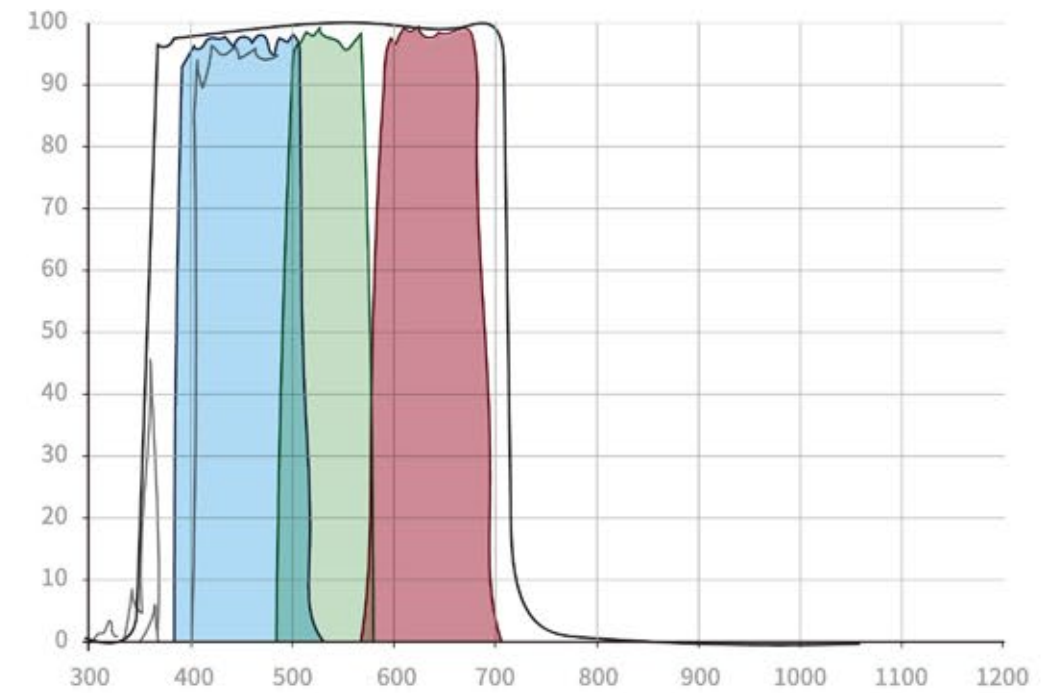
Waterproof



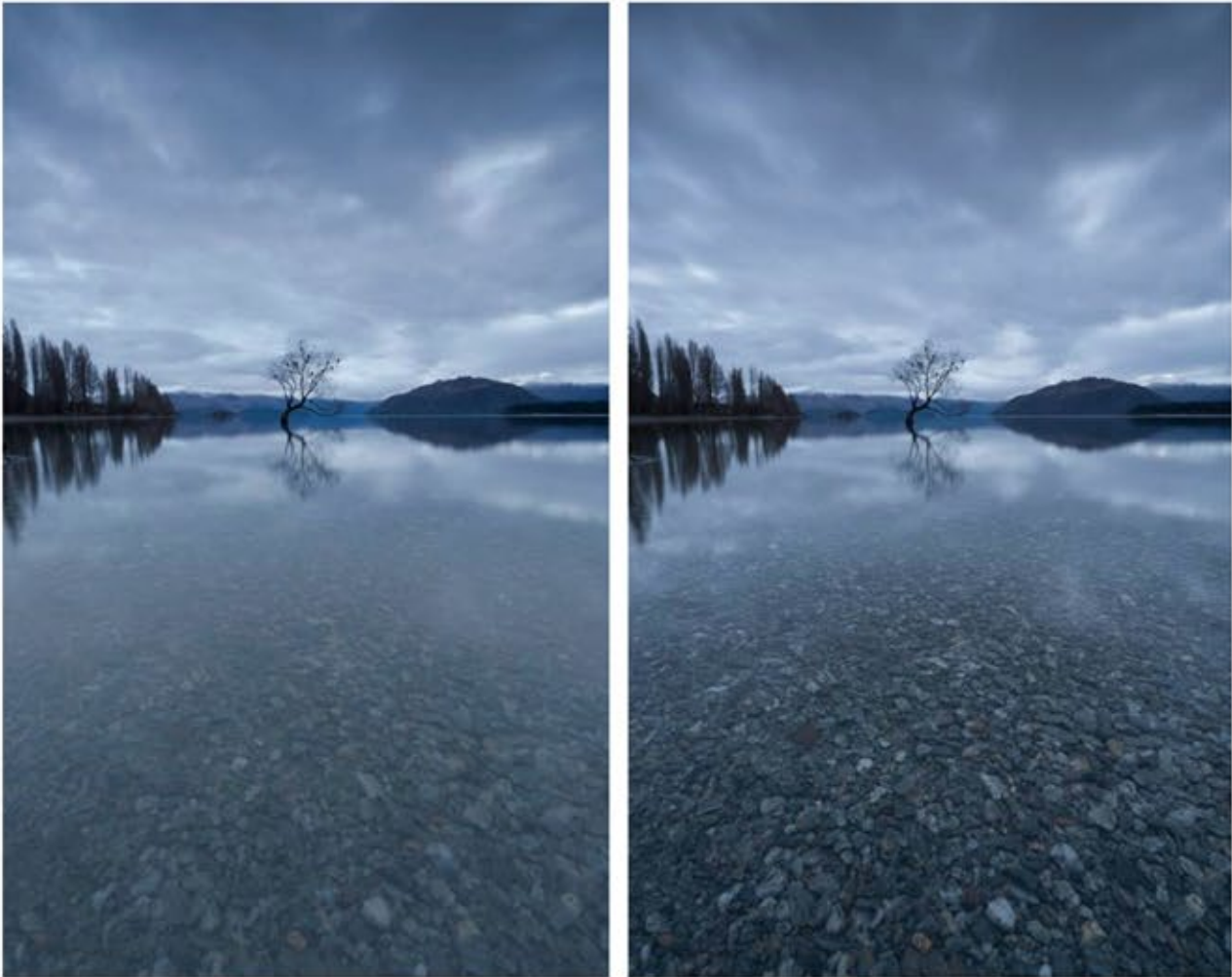
Multi lens superposition



Slim frame



Thickness and electrical conductivity of metal coatings of paper prototype respectively treatment by three kinds of conductive were compared. Porous metal coating sintered at high temperature with 100~360 mesh bronze powder has been studied experimentally



Effect of not using polarizer

Effect of polarizer CPL after use

Magnetic Attraction CPL

CPL can only adjust light gets through without changing color. It can be used when taking photos of landscape, building, industry and daily landscape in the day or night. The most common landscape is taking photos of car tail lamp track. Light lens will shrink and degrade integral image quality if not using filter lens.



Product Features:

- The magnetic polarization filter can be used to remove reflections on the surface of water, glass, plants, and other objects.
- The CPL filter can be rotated 360 degrees after it is installed.



Filter Type	Circular Polarizing
Coatings	Multi-Coating
Filter Material	Glass
Frame	Aluminium
Product Type	Magnetic

Magnetic Attraction GND

Gradient is a common type of gradient filter used in landscape photography. In order to show the details of the sky when shooting bright skies, it is necessary to use a medium gray gradient to balance the exposure instead of doing post-processing on the computer, because the computer cannot reproduce the details that have not been recorded.



Photo : DAG

- Product Features:**
- Reduce Exposure in Selective Areas
 - Soft-Edged Line of Transition
 - Multi Coating
 - Optical Glass
 - Filter Ring
 - Rotatable Ring for Gradation
 - Positioning
 - Plastic Case

Filter Type	Circular Polarizing
Coatings	Multi-Coating
Filter Material	Glass
Frame	Aluminium
Product Type	Magnetic



Effect of ND before use

Photo : Yusheng Zhu

Photo : Gianluca



Effect of ND before use

Filter Type	Circular Polarizing
Coatings	Multi-Coating
Filter Material	Glass
Frame	Aluminium
Product Type	Magnetic

Magnetic ND

ND can only adjust light gets through without changing color. It can be used when taking photos of landscape, building, industry and daily landscape in the day or night. The most common landscape is taking photos of car tail lamp track. Light lens will shrink and degrade integral image quality if not using filter lens.



Product Features:

- Precise flatness plane
- Low reflection coating
- Waterproof coating
- Construction High quality optical glass
- Use to Create Blurs/Special Effects
- Helps Controls Depth of Field



Effect of Milkyway Night

Milkyway Night

Milkyway Night filters have a special coating for light source pollution that cuts out some types of artificial light, but allows other natural wavelengths to pass through, filtering out unwanted light and increasing the contrast of the stars. As a result, the contrast is increased and the stars are clearer.

Filter Type	Milkyway Night
Coatings	Multi-Coating
Filter Material	Glass
Frame	Aluminium
Product Type	Magnetic



- Product Features:**
- Precise flatness plane
 - Low reflection coating
 - Waterproof coating
 - Construction High quality optical glass
 - Use to Create Blurs/Special Effects
 - Helps Controls Depth of Field



Black & White Filter

This filter features a Multi- Coating (MC), which helps to lessen surface reflections and ghosting for maintained contrast, and the coating also resists scratching, dirt, and water for physical protection.



Filter Type	Black & White Filter
Coatings	Multi-Coating
Filter Material	Glass
Frame	Aluminium
Product Type	Magnetic

Product Features:

- **Standard Red Filter**
A general-purpose contrast filter for black and white photography. The standard Red filter to increase contrast when photographing in black and white. absorbs green and blue completely and enhances red. In addition to contrast control, red filters enhance skin tones, tonal corrections and are effective for more dramatic landscapes. Clouds are dramatically improved almost to the mood of a thunderstorm; Darkens blue sky creating dramatic contrast between sky and clouds. It is more effective in cutting through haze, and moonlight effects are easily accomplished; Creates greater contrast between foliage and flowers
- **Standard Green Filter**
A general-purpose contrast filter for black and white photography. The standard Green filter to increase contrast when photographing in black and white. The application is especially suited to landscape photography because it enhances the light green color of the leaves. Due to its favorable effect on red tones, it is also suitable for portraits. it will lighten skin tones and have better separation between the subject and the background. Shooting landscape photos will help darken skies and lighten and show more detail in the foliage.
- **Standard Yellow Filter**
A general-purpose contrast filter for black and white photography. Standard yellow filter to increase contrast when photographing in black and white. The standard Yellow of the color results in a darkening of blues and greens, while lightening yellows, reds, and other warm tones, in order to produce a more naturally appearing outdoor scene. Helps to produce natural-looking clouds and works to clear distant light haze for a more accurate portrayal. This results in increased cloud definition and reduced atmospheric haze for improved clarity.
- **Standard Orange Filter**
A general-purpose contrast filter for black and white photography. The standard Orange filter to increase contrast when photographing in black and white. when photographing with this filter along with black-and-white film, green, blue, and violet-colored subjects within a scene are reproduced in dark shades of grey than if a filter was not used. Simultaneously, yellow, orange, and red subjects are rendered in light shades of grey.



Original picture

Filter not used

Use red filter

S-one



Product Features:

- Allows Creation of Multiple Filter Slots
- Can Be Adjusted Up/Down
- Compatible 100mm-Wide, 2mm-Thick Filter
- Comes fully assembled for general use
- Filter Holder Rotates 360°
- Adapters for 77mm and 82mm Threads
- Can use Circular Polarizing Filter

Material:

- Frame: Fiberglass
- Filter Lock: plastic
- Filter Holder: Aluminum

System advantages:

Bid farewell to the past inconvenient design. The common bracket can't completely avoid light leakage, especially the superposition of multiple lenses. Even if the old bracket is added with light blocking sponge, it will fall off or be damaged after repeated use.

The new bracket has a frame to protect the lens, which is safer. The lens is easier to hold, won't get dirty, don't worry about breaking. If the old bracket is held by hand, the lens will be scratched or broken.

When the ordinary bracket is installed and replaced, it is very difficult to insert into the card slot, and it is also very difficult to remove. The new bracket locks the positioning button, and the filter can be easily assembled and disassembled with a single press. Save time, no more fuss.

The new bracket spring locking system is more reliable and durable. The plastic clip of ordinary bracket is brittle and easy to break, and the clip of ordinary bracket is easy to aging, deformation, loss of elasticity or fracture after long-term outdoor use. Specially designed polarizer system makes it more convenient to use with polarizer.

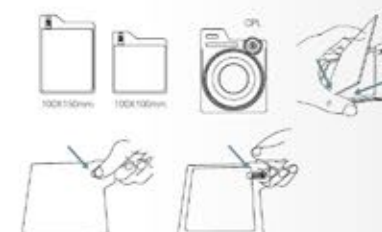
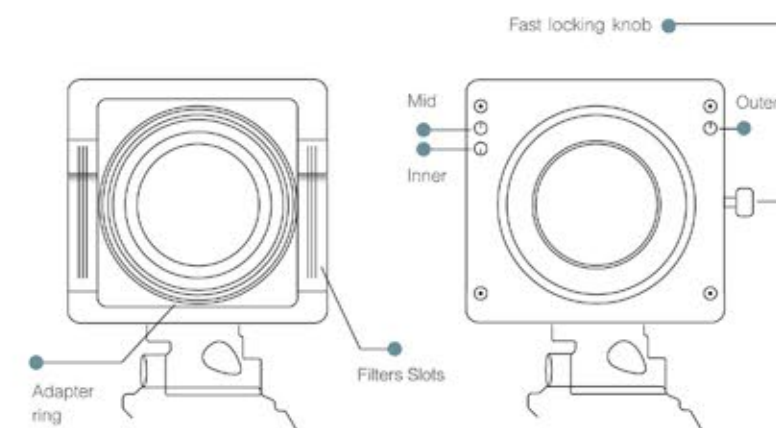
The frame is made of advanced composite material, which is water-resistant, wear-resistant and will not deform.

The lens frame adopts spring metal buckle to fix the lens, so it is convenient and fast to replace the lens.

Compatible with other brands of lenses 100x150mm and 100x100mm



Component description



There are two types of lens frames, which can be used to install square filters with dimensions 100X150 mm and 100 X 100mm

First, insert one end of the filter into frame

Pinch the metal spring buckle on the top of the frame with your thumb and index finger, and pull backwards

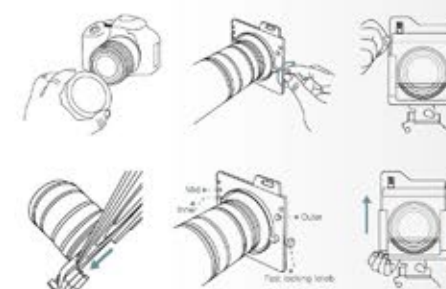
Release the metal spring buckle, the metal buckle will automatically return and clamp the lens



Pinch the metal spring buckle on the top of the frame with your thumb and index finger, and pull backwards

Release the metal spring buckle, push - out the filter with your finger, from the back of the frame

Remove the filter



Remove UV filter then install the adapter ring on the lens

Insert the adapter ring into the holder, and tighten the lock knob

Insert the frame along the frame slot in front of the holder, and press the corresponding button on the back of the holder, to finish installing the frame. (Note: the frame track slot near the lens is used for installing the ND filter or polarizing filter)

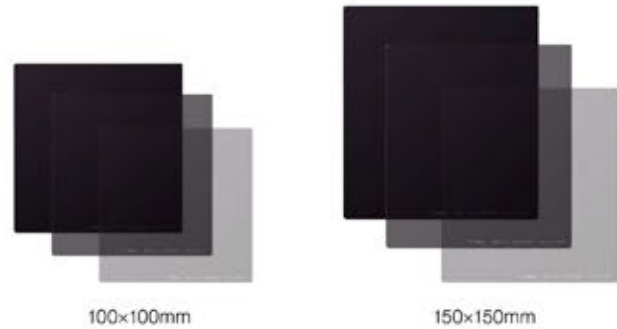
Press the appropriate button to finish installing the frame

You don't need to press the button to vertically move the graduated filter on the holder; just pull the filter with your finger to fine-tune its position



ND

Nd neutral filter can only adjust the light input without changing the color. During the day or at night,Used for scenery, architecture, industry and daily scenes. The most common scene is shooting If you don't use a filter, you have to shrink the aperture, which will reduce the overall picture quality.



Product Features:

- High precision surface
- Low reflection coating
- Waterproof coating
- High definition optical glass
- Can create special exposure effect
- Help control depth of field

Normal shutter speed	Add nd1.8 (64) filter shutter speed	Normal shutter speed	Shutter speed with nd3.0 (1000) filter
1/2000 sec	1/30 sec	1/2000 sec	1/2 sec
1/1000 sec	1/15 sec	1/1000 sec	1 sec
1/500 sec	1/8 sec	1/500 sec	2 sec
1/250 sec	1/4 sec	1/250 sec	4 sec
1/125 sec	1/2 sec	1/125 sec	8 sec
1/60 sec	1 sec	1/60 sec	15 sec
1/30 sec	2 sec	1/30 sec	30 sec
1/15 sec	4 sec	1/15 sec	1min
1/8 sec	8 sec	1/8 sec	2min
1/4 sec	15 sec	1/4 sec	4min
1/2 sec	30 sec	1/2 sec	8min
1 sec	1min	1 sec	16min
2 sec	2min	2 sec	32min





GND

The gray gradient GND can balance the light ratio of sky and ground, and darken the background when the background is too bright. Instead of doing post-processing on the computer, because the computer can't reproduce the details that haven't been recorded.

Product Features:

- precise flatness plane
- Low reflection coating
- Waterproof coating
- Construction: High quality optical glass
- Use With Film or Digital Cameras
- Reduce Exposure in Selective Areas
- Compatible with Standard filter Holder system



100×150mm



170×150mm

Square Filter

GND 100X150mm



GND0.3 SOFT(S)EDEG

GND0.6 SOFT(S)EDEG

GND0.9 SOFT(S)EDEG

GND1.2 SOFT(S)EDEG

GND HARD 100X150mm



GND0.6 HARD(S)EDEG

GND0.9 HARD(S)EDEG

GND1.2 HARD(S)EDEG

ND 100X100mm



ND0.6

ND1.2


ND1.8

ND2.4

ND3.0


ND5.7

Natural Night



100X100mm

Clear Filter



100X100mm

GND 170X150mm



GND0.9 SOFT(S)EDEG

GND1.2 SOFT(S)EDEG

R-GND 100X150mm



R-GND0.9

R-GND1.2

GND HARD 170X150mm



GND0.9 HARD(S)EDEG

GND1.2 HARD(S)EDEG




R-GND 170X150mm



R-GND0.9

R-GND1.2

ND 150x150mm



ND1.2

ND1.8

ND3.0


ND5.7

Natural Night



150X150mm

Clear Filter



150X150mm

S-ONE HOLDER 100mm




- S-ONE NIKON 14-24 HOLDER 150mm
- S-ONE TAMRON 15-30 HOLDER 150mm
- S-ONE SIGMA 14-24 HOLDER 150mm




Filter

UV




L41 IR-CUT UV

37	39	40.5	46	49
mm	mm	mm	mm	mm
52	55	58	62	67
mm	mm	mm	mm	mm
72	77	82	86	95
mm	mm	mm	mm	mm
105				
mm				



MCUV

37	39	40.5	46	49
mm	mm	mm	mm	mm
52	55	58	62	67
mm	mm	mm	mm	mm
72	77	82	86	95
mm	mm	mm	mm	mm
105	112			
mm	mm			



MC CPL

40.5	43	46	49	52
mm	mm	mm	mm	mm
55	58	62	67	72
mm	mm	mm	mm	mm
77	82	86	95	
mm	mm	mm	mm	

Magnetic Filter



MAGNETIC MCVU

37	40.5	43	46	49
mm	mm	mm	mm	mm
52	55	58	62	67
mm	mm	mm	mm	mm
72	77	82	86	95
mm	mm	mm	mm	mm



MAGNETIC
HD CPL +Adapter ring

37	40.5	43	46	49
mm	mm	mm	mm	mm
52	55	58	62	67
mm	mm	mm	mm	mm
72	77	82	86	95
mm	mm	mm	mm	mm



MAGNETIC ND6.0 (100K)
Adapter ring

37	40.5	43	46	49
mm	mm	mm	mm	mm
52	55	58	62	67
mm	mm	mm	mm	mm
72	77	82	86	95
mm	mm	mm	mm	mm



MAGNETIC ND5.7 (500000)
Adapter ring

37	40.5	43	46	49
mm	mm	mm	mm	mm
52	55	58	62	67
mm	mm	mm	mm	mm
72	77	82	86	95
mm	mm	mm	mm	mm




MAGNETIC ND5.55 (320000)
Adapter ring

37	40.5	43	46	49
mm	mm	mm	mm	mm
52	55	58	62	67
mm	mm	mm	mm	mm
72	77	82	86	95
mm	mm	mm	mm	mm




MAGNETIC ND5.4 (256000)
Adapter ring

37	40.5	43	46	49
mm	mm	mm	mm	mm
52	55	58	62	67
mm	mm	mm	mm	mm
72	77	82	86	95
mm	mm	mm	mm	mm




MAGNETIC ND5.1 (128000) +Adapter ring

37	40.5	43	46	49
mm	mm	mm	mm	mm
52	55	58	62	67
mm	mm	mm	mm	mm
72	77	82	86	95
mm	mm	mm	mm	mm




MAGNETIC ND4.8 (64000)
Adapter ring

37	40.5	43	46	49
mm	mm	mm	mm	mm
52	55	58	62	67
mm	mm	mm	mm	mm
72	77	82	86	95
mm	mm	mm	mm	mm




MAGNETIC ND3.9 (8000)
Adapter ring

37	40.5	43	46	49
mm	mm	mm	mm	mm
52	55	58	62	67
mm	mm	mm	mm	mm
72	77	82	86	95
mm	mm	mm	mm	mm




MAGNETIC ND3.0 (1000)
Adapter ring

37	40.5	43	46	49
mm	mm	mm	mm	mm
52	55	58	62	67
mm	mm	mm	mm	mm
72	77	82	86	95
mm	mm	mm	mm	mm




MAGNETIC ND2.7 (500)
Adapter ring

37	40.5	43	46	49
mm	mm	mm	mm	mm
52	55	58	62	67
mm	mm	mm	mm	mm
72	77	82	86	95
mm	mm	mm	mm	mm




MAGNETIC ND2.4 (256)
Adapter ring

37	40.5	43	46	49
mm	mm	mm	mm	mm
52	55	58	62	67
mm	mm	mm	mm	mm
72	77	82	86	95
mm	mm	mm	mm	mm




MAGNETIC ND2.1 (128)
Adapter ring

37	40.5	43	46	49
mm	mm	mm	mm	mm
52	55	58	62	67
mm	mm	mm	mm	mm
72	77	82	86	95
mm	mm	mm	mm	mm




MAGNETIC ND1.8 (64)
Adapter ring

37	40.5	43	46	49
mm	mm	mm	mm	mm
52	55	58	62	67
mm	mm	mm	mm	mm
72	77	82	86	95
mm	mm	mm	mm	mm




MAGNETIC ND1.5 (32) +Adapter ring

37	40.5	43	46	49
mm	mm	mm	mm	mm
52	55	58	62	67
mm	mm	mm	mm	mm
72	77	82	86	95
mm	mm	mm	mm	mm




MAGNETIC ND1.2 (16) +Adapter ring

37	40.5	43	46	49
mm	mm	mm	mm	mm
52	55	58	62	67
mm	mm	mm	mm	mm
72	77	82	86	95
mm	mm	mm	mm	mm



MAGNETIC ND0.9 (8) +Adapter ring

37	40.5	43	46	49
mm	mm	mm	mm	mm
52	55	58	62	67
mm	mm	mm	mm	mm
72	77	82	86	95
mm	mm	mm	mm	mm



SOFT GND 0.9 (5)
+Adapter ring

37	40.5	43	46	49
mm	mm	mm	mm	mm
52	55	58	62	67
mm	mm	mm	mm	mm
72	77	82	86	95
mm	mm	mm	mm	mm

Product Type

Magnetic

Cross Screen Filter (6x)

67mm

72mm

77mm

82mm

86mm

95mm

Soft 820

67mm

72mm

77mm

82mm

86mm

95mm

MAGNETIC Natural Night

37mm

40.5mm

43mm

46mm

49mm

52mm

55mm

58mm

62mm

67mm

72mm

77mm

82mm

86mm

95mm

MAGNETIC IR720

67mm

72mm

77mm

82mm

Adapter ring

67mm

72mm

77mm

82mm

86mm

95mm

Set-up ring

67-72mm

72-77mm

77-82mm

86-95mm

82-95mm

77-95mm

72-95mm

67-95mm

58-95mm

72-77mm

55-95mm

49-95mm

Variable Neutral Density

62mm

72mm

77mm

82mm

Magnetic Filter Kit

KIT A

82mm/77mm/72mm/67mm

MAGNETIC ND2.1 (128) +Adapter ring

KIT All

82mm/77mm/72mm/67mm

MAGNETIC Black & White (Yellow)

95mm

MAGNETIC Black & White (Red)

95mm

MAGNETIC Black & White (Green)

95mm

MAGNETIC Black & White (Orange)

95mm

QW-100 MANGNET FILTER

QW-100 MANGNET WIDE ANGLE ADAPTER

QW-100 UV 82mm

QW-100 MANGNET WIDE ANGLE CPL

QW-100 MANGNET WIDE ANGLE ND3.0

QW-100 MANGNET WIDE ANGLE ND1.8

QW-100 MANGNET WIDE ANGLE ND0.9

QW-100 MANGNET WIDE ANGLE GND0.9

QW-100 Ring

82mm

QW-100 Set-Up Ring

67-82mm

72-82mm

77-82mm

Nikon z14-24 MANGNET Filter

Nikon Z14-24 MAGNETIC MCUV

112mm

Nikon Z14-24 MAGNETIC CPL

112mm

Nikon Z14-24 MAGNETIC ND1.8

112mm

Nikon Z14-24 MAGNETIC ND3.0

112mm

Nikon Z14-24 MAGNETIC GND 0.9

112mm

Nikon Z14-24 MAGNETIC ND0.9

112mm

Nikon Z14-24 Cap For Hood

112mm

Product Type

Parts



EOS R-DR (screwed for 2mm glass)

- ND 0.9
- ND 1.8
- ND 2.7
- ND 3.0
- ND 4.5
- ND 5.1
- ND 5.7
- Clear uv
- CPL
- Milkyway



Stont Bag



Camera cloth



Sone Bag



Filter pouch package



Filter pouch Single package of color filter

Other side photography

B·WAY

Souvenir



T Shirt



Cap

