

***Athabasca***®

FILTERS SERIES





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**HIGH QUALITY PROFESSIONAL  
FILTERS FROM CANADA**

# ***Athabasca***<sup>®</sup>

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***Athabasca***<sup>®</sup> originates from Athabasca Glacier. Located in Canada, it stretches across the continental divide and is the most famous part of Columbia Glacier, one the seven Natural Wonders of the world.

Athabasca offers high-quality filters of 210 models from 22 series, including circular filters, square filters and other special rings and filters. It can be fitted to different lenses and meet various needs of photography enthusiasts, making it an outstanding filter brand which provides filters of all-round functions.

With a brand concept of refined material, best quality and excellent service, Athabasca keeps close cooperation with the top three glass manufacturers(Schott of Germany, Corning Incorporated of the US, AGC of Japan). Raw materials are selected to meet different product demands and our products have all attained the EU environmental certification. We ensure that our products are manufactured with the environmental standard, hoping to make our own contributions to our users' health and environmental protection.

Arriving in China in 2009, Athabasca has brought the best quality filters to all photography enthusiasts, the products of which are sold in over 30 provinces, cities and areas, including Beijing, Shanghai and Taipei, with a retailing network of more than 300 retailer stores. Well-reputed by all retailers and users, we have the confidence and hope to enter the magnificent era of digital photography with you!





## UV PROTECTORS

Ultra-violet protectors effectively protect the front lens from being damaged. Imported optical glass can filter the UV light, eliminate mist influence and make your photo clearer.

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# UV (Ultraviolet)

UV—Ultraviolet filters. Ultraviolet rays will affect photo quality (making the picture bluish). So UV is a must for traditional photographers. However, according to users of digital cameras, UV is merely a piece of parallel lens as CCD or CMOS is not as sensitive to UV rays as traditional films. Exploded in the air, the front lens is damaged by dust, finger prints and other factors. If the lens is scratched or damaged, the imaging quality will be permanently affected. Thus, UV can protect the lens effectively, which is more useful as a protector than as a filter.



## Athabasca® UV

MATERIALS: Environmentally oxidized aviation aluminum

RAW MATERIALS: Japan imported optical glass      Thickness: 3.42mm

APPLICABLE DIAMETER: 30mm 37mm 40.5mm 46mm 49mm 52mm 55mm 58mm 62mm  
67mm 72mm 77mm 82mm 86mm 95mm



BEFORE



AFTER



# MCUV (Multi-Coated Ultraviolet)

MCUV is mainly used to protect the lens, increase light transmittance and improve the picture quality. Thus, coating is necessary. Double-side multi coating can greatly increase light transmittance.

## **Athabasca**® MCVU

MATERIALS: Environmentally oxidized aviation aluminum    RAW MATERIALS: Germany imported optical glass

COATING: Double-side anti-reflection coating                      THICKNESS: 3.42mm

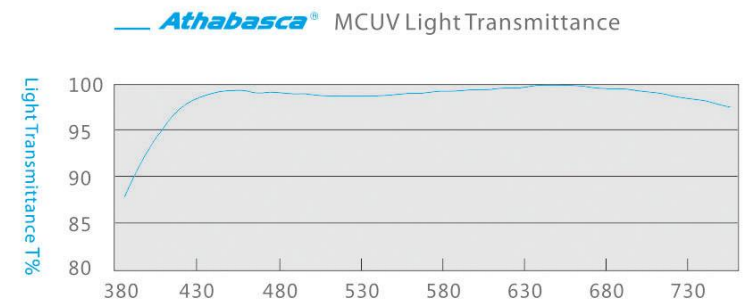
APPLICABLE DIAMETER: 30mm 37mm 40.5mm 43mm 46mm 49mm 52mm 55mm 58mm  
62mm 67mm 72mm 77mm 82mm 86mm 95mm 105mm 150mm



BEFORE



AFTER





# WP MCUV (Waterproof Multi-Coated Ultraviolet)

WP MCUV is a high transmittance UV filter, mainly used to protect the lens, increase light transmittance and improve the picture quality. Thus, coating is necessary. Double-side multi coating can greatly increase light transmittance. However, the multi coating is easily stained by water or dust. To avoid the stain, a water-and-stain-proof coating is added upon the transmittance coating, which is generally known as water-proof coating. Water-proof coating, together with anti-reflection coating can better protect the filter and the lens from being scratched.



## Athabasca® WP MCUV

MATERIALS: Environmentally oxidized aviation aluminum    RAW MATERIALS: Japan imported optical glass

COATING: Double-side anti-reflection coating, water-and-stain-proof, anti-scratching    THICKNESS: 3.42mm

APPLICABLE DIAMETER: 40.5mm 46mm 49mm 52mm 55mm 58mm 62mm 67mm  
72mm 77mm 82mm 86mm



BEFORE



AFTER



Water-proof



Anti-scratching



Stain-proof

09-10 / Athabasca  
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# CF-PROTECTOR

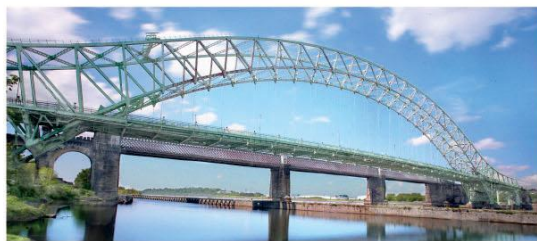
In the era of digital photography, CCD or CMOS in digital cameras is not as sensitive to UV rays as traditional films. UV filters are mainly used to protect the lens. CF-PROTECTOR is a professional protector specially designed for digital cameras. Top quality optical glass double-side coated with multi anti-reflection coating, water-and-stain-proof and anti-scratching processed, enabling the CF protector to professionally protect the lens without hardly any influence on the picture quality.

## **Athabasca**® CF-PROTECTOR

MATERIALS: Environmentally oxidized aviation aluminum RAW MATERIALS: Germany imported optical glass

COATING: Double-side anti-reflection coating, water-and-stain-proof, anti-scratching THICKNESS:3.42mm

APPLICABLE DIAMETER: 52mm 55mm 58mm 62mm 67mm 72mm 77mm 82mm



BEFORE



AFTER



Water-proof



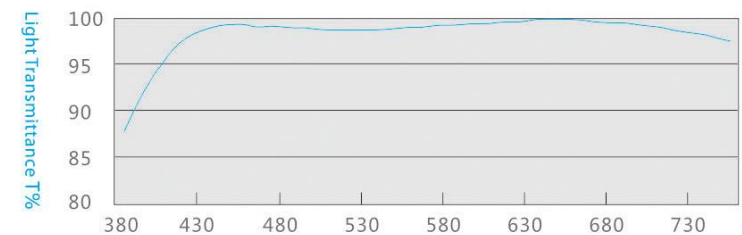
Anti-scratching



Stain-proof



**Athabasca**® CF-PROTECTOR Light Transmittance



# Razor UV370

In the era of digital photography, CCD or CMOS in digital cameras is not as sensitive to UV rays as traditional films. UV filters are mainly used to protect the lens. However, in certain areas with high UV rays (plateau, glacier, etc), picture quality will be affected by UV rays.

Razor UV370 has an extremely high transmittance— $T_{avg}(420\sim680nm) \geq 99\%$ ,  $T_{max}(420\sim680) \geq 99.8\%$ , and excellent UV blocking— $T_{avg}(300-350nm) \leq 1\%$ ,  $T(370nm) \leq 50\%$ . Being only 1.67mm thick and with the outstanding anti-reflection and water-and-stain-proof coating, Razor UV370 is a near-perfect digital filter.

## **Athabasca**® Razor UV370

MATERIALS: Environmentally oxidized aviation aluminum RAW MATERIALS: Germany imported optical glass

COATING: Double-side anti-reflection coating, water-and-stain-proof, anti-scratching THICKNESS: 1.67mm

APPLICABLE DIAMETER: 67mm 72mm 77mm 82mm



BEFORE



AFTER



Water-proof



Anti-scratching



Stain-proof

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# MRC SUPER PROTECTOR

In the era of digital photography, CCD or CMOS in digital cameras is not as sensitive to UV rays as traditional films. UV filters are mainly used to protect the lens. For this reason, Athabasca has developed this professional protector, which not only has extremely high transmittance and water-and-stain-proof, anti-scratching protection, but also is the most impact-resistance protecting filter in the market, due to the application of Corning Gorilla Glass II.

According to the self-testing experiment, Athabasca MRC SUPER PROTECTOR won't be broken within ten hits by a steel ball weight of up to 68g free falling from the height of 120cm. This product can effectively protect the lens from being damaged by external force impact.

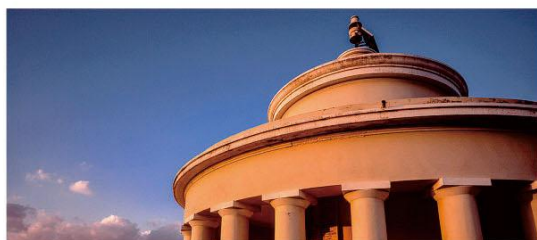


## **Athabasca**® MRC SUPER PROTECTOR

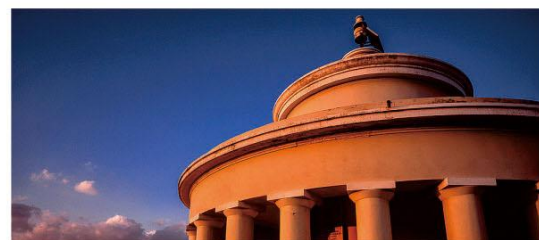
MATERIALS: Environmentally oxidized aviation aluminum    RAW MATERIALS: Corning Gorilla Tempered Glass II

COATING: Double-side anti-reflection coating, water-and-stain-proof, anti-scratching    THICKNESS: 3.42mm

APPLICABLE DIAMETER: 67mm 72mm 77mm 82mm

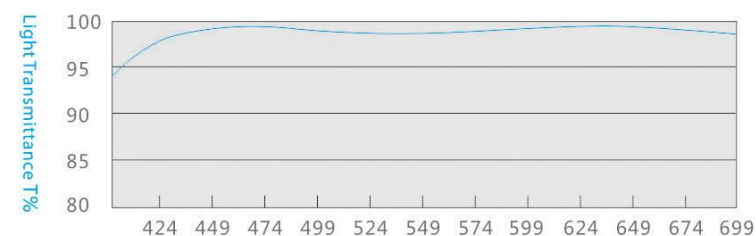


BEFORE



AFTER

**Athabasca**® MRC SUPER PROTECTOR Light Transmittance







## CPL

High-quality polarizing film enhances picture effects and makes clear and flawless pictures, eliminating reflection of non-metal surface (water, glass, etc.)

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# CPL (W)

## Athabasca® CPL(W)

MATERIALS: Environmentally oxidized aviation aluminum

RAW MATERIALS: Japan imported optical glass & polarizing films TECHNOLOGY: HD processed

THICKNESS: 5.52mm

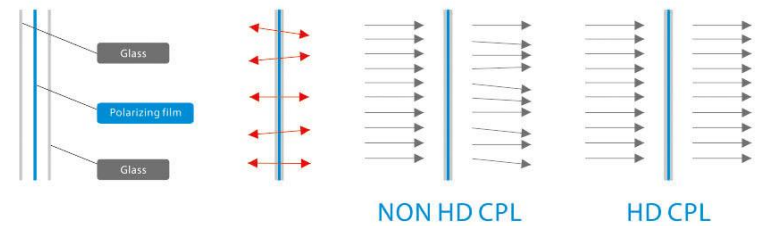
APPLICABLE DIAMETER: 30mm 37mm 40.5mm 46mm 49mm 52mm  
55mm 58mm 62mm 67mm 72mm 77mm 82mm 86mm 95mm



CPL (Circular Polarizer), circular polarizing lens, is used to eliminate the polarized light. CPL can enhance image contrast, deepen blue and highlight white clouds. Meanwhile, it can eliminate reflection of non-metal surface (water, glass, etc.) as well as reduce soft focus in scenic photos caused by mist. A good CPL won't damage image color when filtering the polarized light.

### How to Use:

Fix the CPL(W) directly to the front lens, rotate the CPL and observe the polarized light source through the LCD or viewfinder, until the polarized light weakens or disappears as expected.



Athabasca CPL(W) uses Japan-imported optical glass and top-quality Japan polarizing film, with a secondary processing, which is certain to achieve the expected effect.



# WP MCCPL

## Athabasca® WP MCCPL

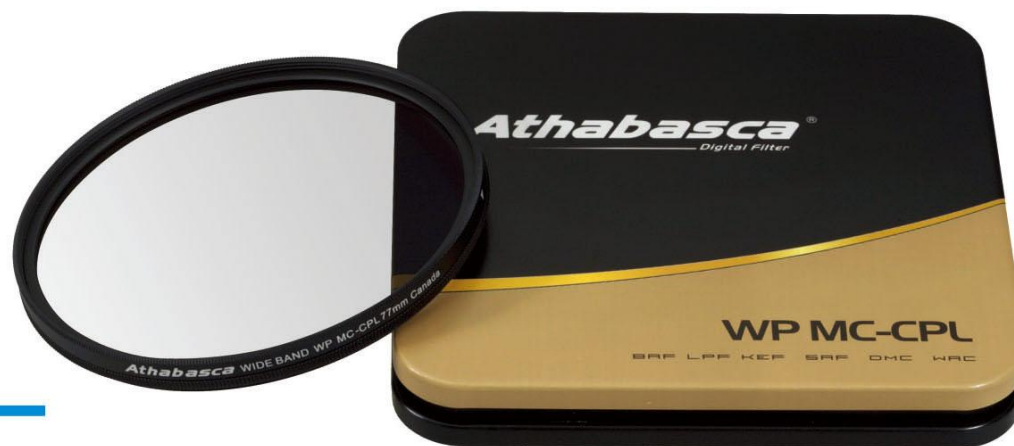
MATERIALS: Environmentally oxidized aviation aluminum

RAW MATERIALS: Japan imported optical glass & polarizing films

COATING: Double-side anti-reflection coating, water-and-stain-proof, anti-scratching

TECHNOLOGY: HD processed THICKNESS: 5.52mm

APPLICABLE DIAMETER: 52mm 55mm 58mm 62mm 67mm 72mm 77mm 82mm 86mm



WP MCCPL, water-proof multi-coating CPL, is used to eliminate the polarized light. The polarizing film used in CPL is colored, which prevents certain amount of light entering the lens or even reducing the aperture. In order to show perfect pictures, WP MCCPL adds double-side anti-reflection coating to the common CPL, so it can improve the transmittance to make up for the light loss caused by the film's own color. Water-and-stain-proof, this WP MCCPL becomes an excellent and perfect CPL.

#### How to Use:

Fix the WP MCCPL directly to the front lens, rotate the WP MCCPL and observe the polarized light source through the LCD or viewfinder, until the polarized light weakens or disappears as expected.



BEFORE



AFTER

# CF CPL

## **Athabasca**® CF CPL

MATERIALS: Environmentally oxidized aviation aluminum

RAW MATERIALS: Japan imported optical glass & polarizing films

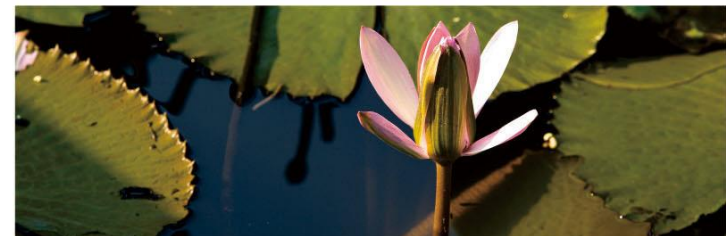
COATING: Double-side anti-reflection coating, water-and-stain-proof, anti-scratching

TECHNOLOGY: HD processed      THICKNESS: 5.52mm

APPLICABLE DIAMETER: 67mm 72mm 77mm 82mm

CF CPL, color(golden)CPL, is used to eliminate the polarized light. The polarizing film used in CPL is colored, which prevents certain amount of light entering the lens or even reducing the aperture. In order to show perfect pictures, CF CPL adds double-side anti-reflection coating to the common CPL, so it can improve the transmittance to make up for the light loss caused by the film's own color. Water-and-stain-proof and with a gorgeous golden line on the frame, this CF CPL becomes an magnificent and perfect CPL.

How to Use:  
Fix the CF CPL directly to the front lens, rotate the CF CPL and observe the polarized light source through the LCD or viewfinder, until the polarized light weakens or disappears as expected.



BEFORE



AFTER

# HD CPL



## Athabasca® HD CPL

MATERIALS: Environmentally oxidized aviation aluminum

RAW MATERIALS: Japan imported optical glass & polarizing films TECHNOLOGY: Advanced HD processed

Thickness: 5.52mm

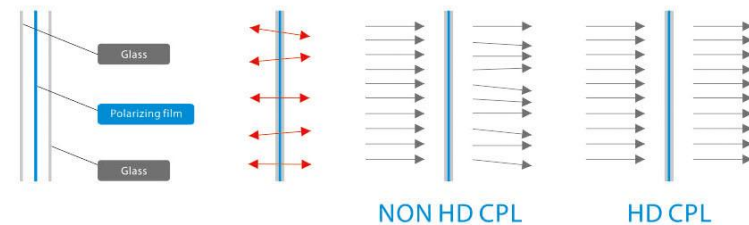
APPLICABLE DIAMETER: 62mm 67mm 72mm 77mm 82mm 86mm



HD CPL, high definition circular polarizer, is mainly used to eliminate polarized light. Using Japan imported optical glass and top quality Japan polarizing films and with secondary advanced operation, Athabasca HD CPL is certain to achieve super HD effect.

### How to Use:

Fix the HD CPL directly to the front lens, rotate the HD CPL and observe the polarized light source through the LCD or viewfinder, until the polarized light weakens or disappears as expected.



Athabasca CPL(W) uses Japan-imported optical glass and top-quality Japan polarizing film, with a secondary processing, which is certain to achieve the expected effect.



# Razor CPL

## **Athabasca**<sup>®</sup> Razor CPL

MATERIALS: Environmentally oxidized aviation aluminum

RAW MATERIALS: Japan imported optical glass & polarizing films TECHNOLOGY: HD processed

Thickness: 3.17mm

APPLICABLE DIAMETER: 67mm 72mm 77mm 82mm

Razor CPL, Razor circular polarizer, is mainly used to eliminate polarized light. Top technology makes the film as thin as only 3.17mm, without making dark corners when fixed to any wide-angle lens.

How to Use:

Fix the Razor CPL directly to the front lens, rotate the Razor CPL and observe the polarized light source through the LCD or viewfinder, until the polarized light weakens or disappears as expected.







## ND

Short for neutral density, refers to filters that reduce entry of light without color deviation. ND filters are important tools to reduce light entry, with which photos can be taken with large aperture and shallow depth of field in the bright light.

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# ND4/ND8

## Athabasca® ND4/ND8

MATERIALS: Environmentally oxidized aviation aluminum

RAW MATERIALS: Japan imported optical glass

COATING: Light reducing coating

THICKNESS: 3.38mm

APPLICABLE DIAMETER: 49mm 52mm 55mm 58mm 62mm 67mm 72mm 77mm 82mm

ND, short for neutral density, refers to filters that reduce entry of light without color deviation. ND filters are important tools to reduce light entry, with which photos can be taken with large aperture and shallow depth of field in the bright light. With higher coefficient, long time exposure can be realized.

Main functions:

In the bright light, we cannot adapt large aperture so shallow depth of field cannot be achieved, which is needed in shooting portraits in order to separate the main character from the background, when large aperture should be adapted. In this situation, ND filters are a good choice to attain ideal aperture.

ND4 25%(1/4) of light is allowed in or 75% is blocked out  
ND8 12.5%(1/8) of light is allowed in or 87.5% is blocked out



With ND4



With ND8

# ND400/ND1000

## Athabasca® ND400/ND1000

MATERIALS: Environmentally oxidized aviation aluminum

RAW MATERIALS: Japan imported optical glass

COATING: Light reducing coating

THICKNESS: 3.38mm

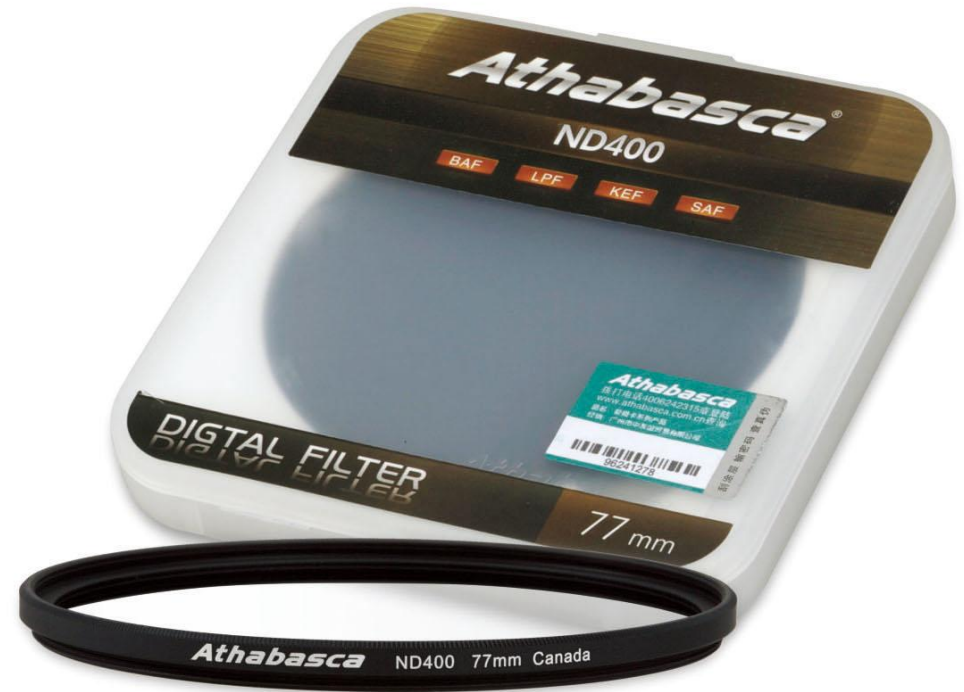
APPLICABLE DIAMETER: 67mm 72mm 77mm 82mm

ND, short for neutral density, refers to filters that reduce entry of light without color deviation. ND filters are important tools to reduce light entry, with which photos can be taken with large aperture and shallow depth of field in the bright light. With higher coefficient, long time exposure can be realized.

Main functions:

In the bright light, we cannot adapt large aperture so shallow depth of field cannot be achieved, which is needed in shooting portraits in order to separate the main character from the background, when large aperture should be adapted. In this situation, ND filters are a good choice to attain ideal aperture.

ND400 0.25%(1/400) of light is allowed in or 99.75% is blocked out  
ND1000 0.1%(1/1000) of light is allowed in or 99.9% is blocked out



BEFORE



AFTER



# NDX

## Athabasca® NDX

Materials: Environmentally oxidized aviation aluminum

Raw materials: Japan imported optical glass      Thickness: 7.44mm

APPLICABLE DIAMETER: 52mm 55mm 58mm 62mm 67mm 72mm 77mm 82mm

NDX refers to adjustable ND, consisting of 2 pieces of opposed polarizers. When going through the first polarizer, light will go in through one certain direction; when light goes through the second polarizer, as the polarizing directions are different, light will be weakened. When the two polarizers are rotated in opposite directions, transmittance changes from high to low.

Main Functions:

- 1.Enable large aperture and shallow depth of field in bright light and blur the background.
- 2.Long-time exposure and adds dynamic.
- 3.Soften flowing water effect in scenic photos.

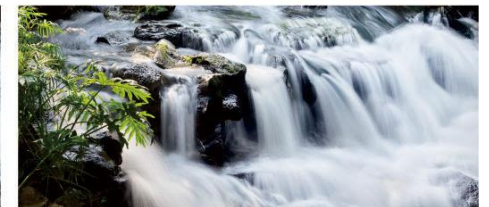
NDX has stepless adjustment from ND2-ND400, with stepless light adjustment from 50%-0.25%.

Deficiency:

Due to the physical structure of NDX, opposed polarizers will cause the uneven light in the picture. Cross light would appear when density reaches 420 when NDX is applied to ordinary lens. So ND1000 is achieved theoretically but actually it can narrowly reach 400. Even the adjustment is limited to 400 on NDX, cross light is not completely avoided on all lenses, since cross light appearance varies on different lenses in different focal lengths.



BEFORE



AFTER

# HD NDX

## **Athabasca**® HD NDX

MATERIALS: Environmentally oxidized aviation aluminum

RAW MATERIALS: Japan imported optical glass

THICKNESS: 6.1 mm

APPLICABLE DIAMETER: 67mm 72mm 77mm 82mm

HD NDX refers to adjustable ND, consisting of 2 pieces of opposed polarizers. Compared with polarizers, adjustable ND has four glass surfaces and four glass inwalls, which makes eight sides altogether, making glass surface imparallel because of the glueing and affecting the definition. Athabasca HD NDX apply HD processing to every group of lenses to make sure the products are parallel enough for long lenses.

#### Main Functions:

- 1.Enable large aperture and shallow depth of field in bright light and blur the background.
- 2.Long-time exposure and adds dynamic.
- 3.Soften flowing water effect in scenic photos.

NDX has stepless adjustment from ND2-ND400, with stepless light adjustment from 50%-0.25%.

#### Deficiency:

Due to the physical structure of NDX, opposed polarizers will cause the uneven light in the picture. Cross light would appear when density reaches 420 when NDX is applied to ordinary lens. So ND1000 is achieved theoretically but actually it can narrowly reach 400. Even the adjustment is limited to 400 on NDX, cross light is not completely avoided on all lenses, since cross light appearance varies on different lenses in different focal lengths.



BEFORE



AFTER



A landscape photograph showing a vast green field in the foreground, leading to a horizon line with a single tree on the right. The sky is a mix of blue and orange, with wispy clouds and a few white contrails. The sun is low on the horizon, creating a warm glow.

## GC-GRAY

With the newest digital lens technology, this filter can balance the all-side light contrast, making the picture with better saturation and hierarchy.

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# GC-GRAY/GC-GRAY(SOFT)

## **Athabasca**® GC-GRAY

MATERIALS: Environmentally oxidized aviation aluminum

RAW MATERIALS: Optical glass

THICKNESS: 5.41 mm

APPLICABLE DIAMETER: 49mm 52mm 55mm 58mm 62mm 67mm 72mm 77mm 82mm

## **Athabasca**® GC-GRAY(SOFT)

MATERIALS: Environmentally oxidized aviation aluminum

RAW MATERIALS: Optical glass

THICKNESS: 5.41 mm

APPLICABLE DIAMETER: 67mm 72mm 77mm 82mm

GC-GRAY, also known as GND, is half-transmittance and half-light-blocking. The limit of latitude of digital cameras cannot meet photographing needs in greatly contrast light, causing severe light difference on different parts of the pictures. For example, when we take photos of the sunrise with the sun coming out from the sea surface, sunlight is strong while the light of the sea is dim and the camera cannot balance the light difference between these two parts. In this situation, GC-GRAY/GC-GRAY(SOFT) can reduce the brightness of the sun and avoid a picture with the sunlight too bright while the sea too dark.

Differences of GC-GRAY:

According to the form of changing of the grayness, GC-GRAY series has GC-GRAY, whose changing is harsh with an obvious boundary, and GC-GRAY(SOFT), whose changing is gentle without an obvious boundary.



BEFORE



AFTER



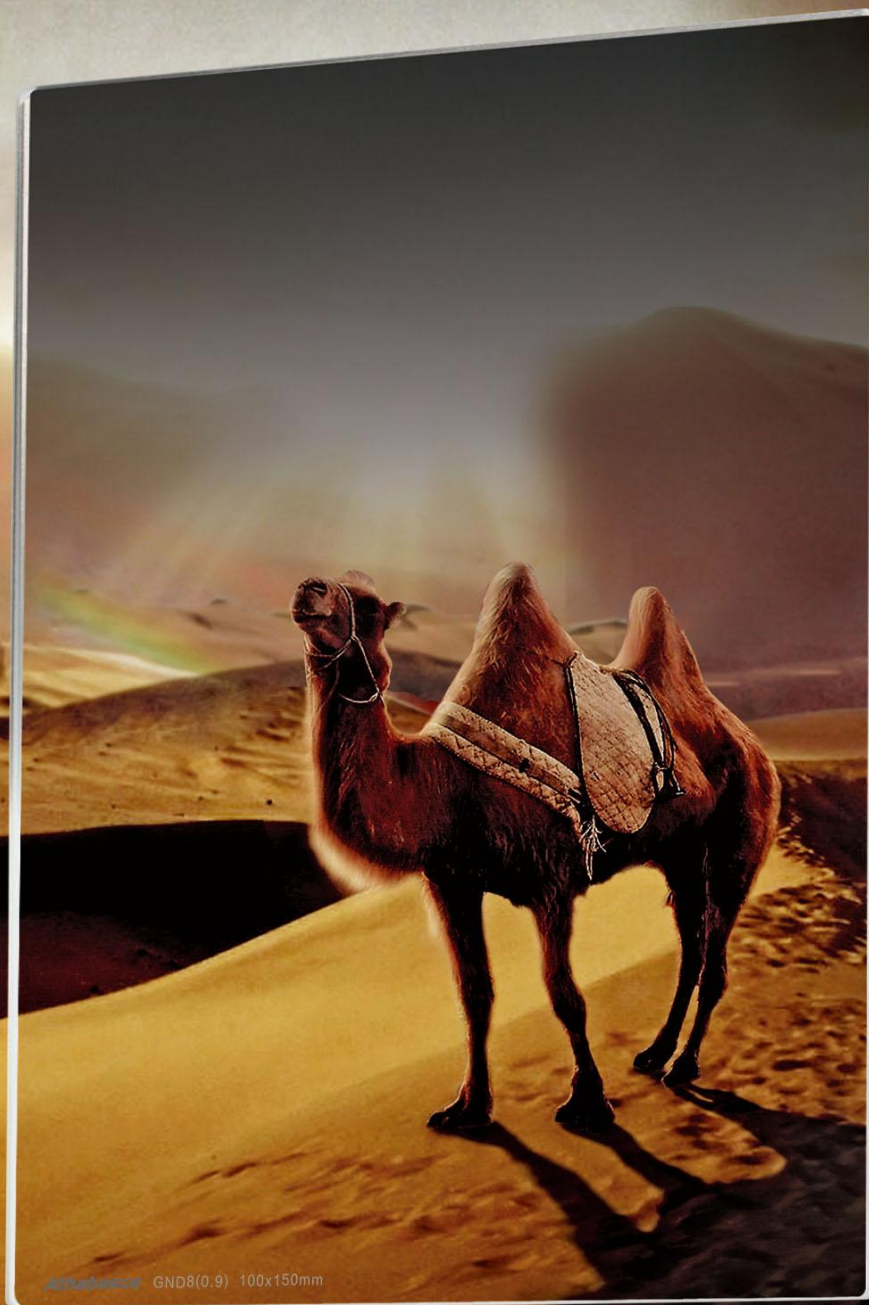
# ATHABASCA PRODUCTS LIST

DIAMETER PRODUCT NAME	size ( mm )																	
	30	37	40.5	43	46	49	52	55	58	62	67	72	77	82	86	95	105	150
UV	●	●	●		●	●	●	●	●	●	●	●	●	●	●			
MCUV	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
WP MCVU			●		●	●	●	●	●	●	●	●	●	●	●			
CF-PROTECTOR							●	●	●	●	●	●	●	●				
Razor UV370											●	●	●	●				
MRC SUPER PROTECTOR											●	●	●	●				
CPL(W)			●		●	●	●	●	●	●	●	●	●	●	●	●		
WP MCCPL						●	●	●	●	●	●	●	●	●				
CF-CPL											●	●	●	●				
HD CPL											●	●	●	●				
Razor CPL											●	●	●	●				
ND4 / ND8						●	●	●	●	●	●	●	●	●	●			
ND400 / ND1000											●	●	●	●				
NDX							●	●	●	●	●	●	●	●				
HD NDX											●	●	●	●				
GC-GRAY					●	●	●	●	●	●	●	●	●	●				
GC-GRAY(SOFT)											●	●	●	●				

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**SQUARE FILTERS COMING**

For further information  
please contact us



Athabasca® GND8(0.9) 100x150mm



THE PROFESSIONAL OPTICAL GLASS  
ULTRA-THIN FRAME

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