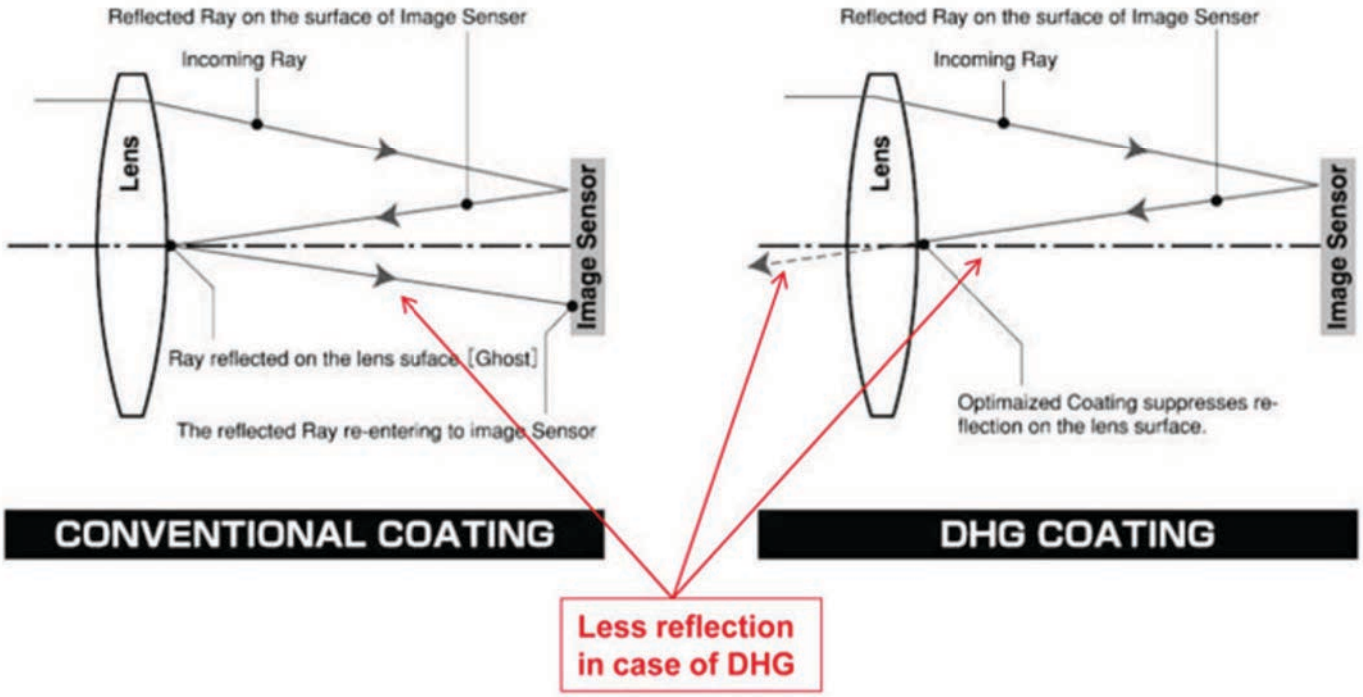
marumi

Digital High Grade Filters

Conventional vs DHG Coating



Digital Cameras Need Special Filters

Marumi DHG Filters eliminate the flare and ghosting prevalent when the CCD or CMOS chips in digital cameras convert light into electrical signals.

- Newly developed ultra-low reflection coating increases light transmission.
- Lens outer rim is blackened to minimize internal reflection.
- Satin smooth, ultra thin, matte-black metal filter frame further minimizes reflection.

Frame Features

Thinner Frame for wider angle

Thinner frame for wider image capture angle is employed. Thread can be used for lens cap, and also can be used for another filter.

33%less

Essential Characteristics of Marumi DHG Filters

Grade	Type	Number of coats		Transmission (%)	Thickness of Rim			
		Anti-Reflection	Total Layers					
DHG	Lens Protect	10	10	99.5%	49~58mm	6.3t	62~82mm	6.5t
DHG	UV (L390)	10	10	98.5%	〃	〃	〃	〃
DHG	C-PL	10	10	32~35%	49~82mm	7.0t		
DHG	Light Control-8	10	10	12.5%	49~58mm	6.3t	62~82mm	6.5t
DHG	Soft Fantasy	8	8	98.7%	〃	〃	〃	〃
DHG	Star Cross	8	8	97.7%	49~82mm	7.0t		

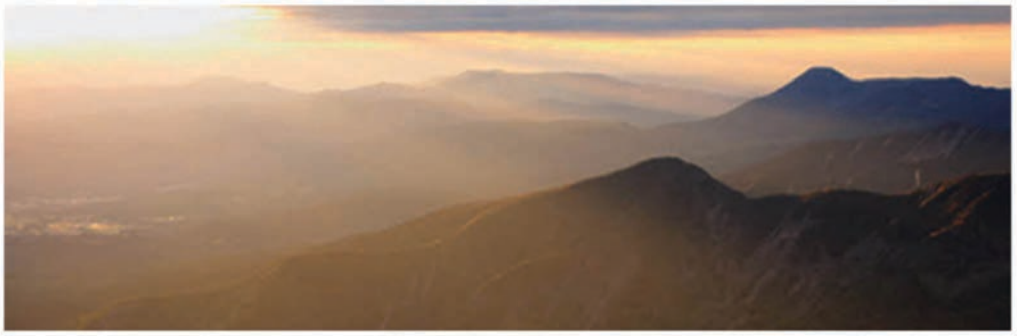
Transmission rates are measured at 420-680nm.

Lens Protect

Minimizes flaring and ghosting and optimizes the performance of lenses for digital imaging. Pictures taken with super wide-angle lenses will not vignette because of the very thin frame.

Size	Item Number
37mm	AMDLP37
40mm	AMDLP40
40.5mm	AMDLP405
43mm	AMDLP43
46mm	AMDLP46
49mm	AMDLP49
52mm	AMDLP52
55mm	AMDLP55
58mm	AMDLP58
62mm	AMDLP62
67mm	AMDLP67
72mm	AMDLP72
77mm	AMDLP77
82mm	AMDLP82
95mm	AMDLP95
105mm	AMDLP105

DHG Lens Protect



Circular Polarizer

The DHG Circular Polarizer allows you to eliminate unwanted reflection from water, glass, etc. It also helps saturate colors and increases contrast. The DHG CPL is often used to enhance blue skies and white clouds. The thin frame allows it to be used with wide angle lenses. Front threads accept a lens cap.

Size	Item Number
37mm	AMDCPL37
40mm	AMDCPL40
40.5mm	AMDCPL405
43mm	AMDCPL43
46mm	AMDCPL46
49mm	AMDCPL49
52mm	AMDCPL52
55mm	AMDCPL55
58mm	AMDCPL58
62mm	AMDCPL62
67mm	AMDCPL67
72mm	AMDCPL72
77mm	AMDCPL77
82mm	AMDCPL82
95mm	AMDCPL95
105mm	AMDCPL105

With Circular Polarizer Filter

Without Circular Polarizer Filter

Star Cross

The DHG Star Cross generates a 4 cross star effect to areas of brightly pin pointed light and generally softens the rest of the image. The direction of the star can be changed by rotating the frame.

Size	Item Number
49mm	AMDCS49
52mm	AMDCS52
55mm	AMDCS55
58mm	AMDCS58
62mm	AMDCS62
67mm	AMDCS67
72mm	AMDCS72
77mm	AMDCS77
82mm	AMDCS82

With Star Cross Filter

Without Star Cross Filter

Light Control 8 (ND8)

With the ND8, you can open up the lens or slow the shutter speed 3 stops from where you would be without the filter. This enabes the photographer to:

A - Use slower shutter speeds at higher ISO's to show movement in waterfalls, cars, etc.
B - Use wide apertures to narrow depth of field for effect.
C - To use video cameras with fixed shutter speeds in very bright situations like snow that would cause over exposure.

The ND8 doe not affect color rendition.

Size	Item Number
37mm	AMDND837
40.5mm	AMDND8405
43mm	AMDND843
46mm	AMDND846
49mm	AMDND849
52mm	AMDND852
55mm	AMDND855
58mm	AMDND858
62mm	AMDND862
67mm	AMDND867
72mm	AMDND872
77mm	AMDND877
82mm	AMDND882

With Light Control Filter

Without Light Control Filter

Soft Fantasy

The ideal soft-effect filter for digital imaging. The image is softened just enough to make the filter ideal for portrait photography.

Size	Item Number
49mm	AMDSF49
52mm	AMDSF52
55mm	AMDSF55
58mm	AMDSF58
62mm	AMDSF62
67mm	AMDSF67
72mm	AMDSF72
77mm	AMDSF77
82mm	AMDSF82

With Soft Fantasy Filter

Without Soft Fantasy Filter

Macro 3

Ideal for close-up shooting with digital cameras. The DHG Macro 3 shortens the lens focal distance to enable the photographer to easity enjoy macro photography. The deeper rim acts as a sunshade and minimizes extra reflection.

Size	Item Number
49mm	AMDCU49
52mm	AMDCU52
55mm	AMDCU55
58mm	AMDCU58
62mm	AMDCU62
67mm	AMDCU67
72mm	AMDCU72
77mm	AMDCU77

With DHG Macro 3 Filter

Without DHG Macro 3 Filter