

Filters for Black and White Imaging



Yellow 8



Yellow 12



Yellow 15

Yellow 8 FS1

This medium yellow filter offers the most correct tonal range contrast to produce natural clouds against blue skies.

Yellow 12 FS1

"Minus blue" cuts haze in aerial work; reduces excess blue of full moon in astrophotography. Recommended as a basic filter for use with Kodak Aero Ektachrome Infrared film.

Yellow 15 FS1 2/3

Enhances landscapes, marine scenes and aerial photography with more dramatic effects than Yellow 8.

- Deep yellow filter.
- Renders sky dramatically darker.



Orange 16



Orange 21

Orange 16 FS1 2/3

Deeper than Yellow 15 for more dramatic effects.

Orange 21 FS2 2/3

Absorbs blue and blue greens. Renders blue tones darker as in marine scenes.



Blue 47



Blue 47B

Blue 47 FS2 2/3

- Dark blue filter that accentuates haze and fog.
- Used for dye transfer and contrast effects.

Blue 47B FS3

- Dark blue filter that lightens blue objects for detail.

Filters for black and white photography perform a variety of filtration effects including contrast control, enhanced skin-tones, tonal corrections and more dramatic landscapes.



Without Filter



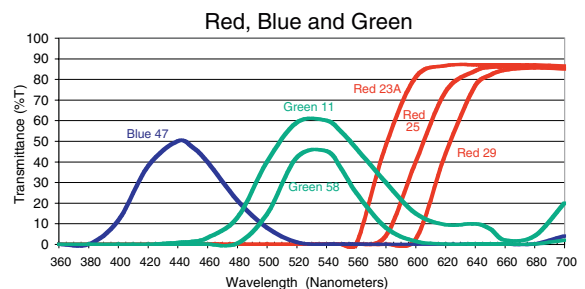
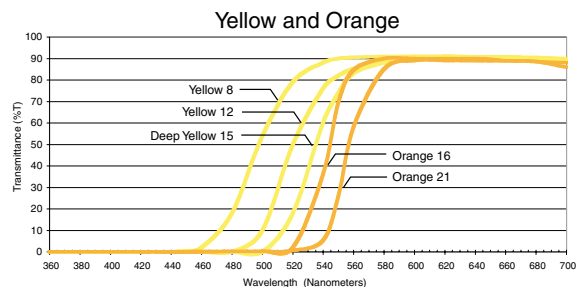
Yellow 8



Yellow 15

Although originally intended for use with black and white film, these filters can also be used as a creative tool in color imaging.

© Roger J. Waindle



Tiffen is a leading manufacturer and distributor of photo accessories and related products. For more information on any of our product lines, visit our website at:

www.tiffen.com

or for technical assistance, call us at:

1-800-645-2522



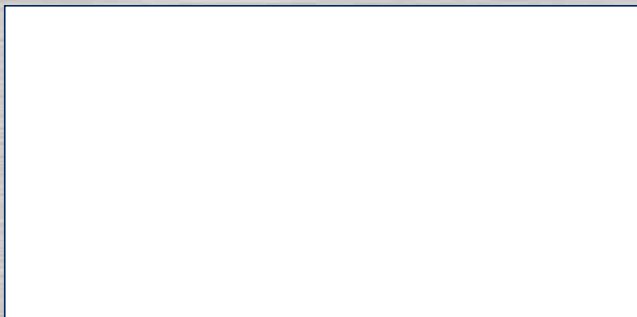
The Tiffen Company

90 Oser Avenue, Hauppauge, NY 11788

Phone: 631-273-2500 • Fax: 631-273-2557

www.tiffen.com

e-mail: techsupport@tiffen.com



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BFILT

TIFFEN®

Filters & Lens Accessories

DIGITAL PHOTO VIDEO



Pro-Mist® 2



Circular Polarizer



Gold Diffusion/FX® 3

ENHANCING



Warm Black Pro-Mist® 3

Tiffen optical filters are more important than ever before, when shooting with your digital camera.

- **Save time and frustration in post-production** - eliminate uncertainty and see the effect you want immediately, not hours or days later.
- **Lens Protection** - Protect your lens from moisture, scratches and damage.
- **Correction** - Bring the optical correction to a known standard, leaving more latitude for digital effects used later.
- **Contrast Control** - Our award-winning Ultra Contrast and Low Contrast filters allow your digital camera to capture more shadow detail or lower contrast evenly.
- **Polarizers** - These filter are ideal for color and contrast enhancements, removing reflections from water and glass (impossible to do electronically) while adding richer, natural color saturation.
- **Color Enhancing Filter** - Makes vibrant fall colors "pop" without adversely affecting other colors. Difficult to easily do electronically.
- **Color-Grad® Filters** - Add color selectively to the image while keeping other portions unaffected.

Why You Need Tiffen Optical Filters

There is something to be said for creating images at the moment of exposure—the way most of the world's greatest pictures have been made. Tiffen optical filters let you do just that, by being able to preview the effect you'll get when it matters most—when you're behind the camera.

There is nothing wrong with using electronic plug-in filter programs that let you add effects or manipulate the image after it's taken. But if you really want to own the final images you compose, there's no substitute for Tiffen optical filters. They're simply unsurpassed when it comes to controlling color balance and special effects with precision, repeatability, and convenience.

It's important to remember that filtering the light, before it passes through the lens and strikes the image sensor or film, has important advantages. It lets you match the brightness range of the scene to the characteristics of the capture medium, and get professional quality results even under tough lighting conditions. Tiffen Polarizing filters actually polarize the light to eliminate reflections on glass and water surfaces while retaining sub-surface details. Neither of these effects are possible with after-the-fact plug-in filter systems, which can only provide filter effects, not true light filtration.

Why Tiffen Filters Are Superior

Tiffen filters are manufactured using ColorCore™ technology, a closely guarded proprietary process that entails permanently laminating the filter material in between two pieces of optical glass that are ground flat to tolerances of a ten-thousandth of an inch, then mounting them in precision metal rings. The ColorCore process allows us to control the color and density of Tiffen filters, and the characteristics of special effects filters with much greater accuracy than typical dyed-in-the-mass filters, which usually exhibit color and density variations.

When Tiffen filters are ground and polished, the ColorCore is unaffected, so color and density remain uniform. Indeed, when you hold a group of Tiffen filters of the same type against a white sheet of paper, they all look identical—because they are! Try this with our competitors' filters and you're likely to see slight variations.

Maybe that's why most top Hollywood motion picture studios rely on Tiffen filters for their multimillion-dollar productions, or why we can custom-make an exact replacement for them if one breaks on the job. That's consistency, and excellence—two pretty good reasons why, when it comes to filters, you should rely on Tiffen too.

See the Difference Tiffen Filters Make

Tiffen filters make a big difference indoors, outdoors, in close-up portraits or mile-wide landscapes, in bright sun or shade, and in many other photo situations—the right Tiffen filter delivers a great image instead of a snapshot. Whether you're shooting photos or video, in black and white or color, Tiffen filters offer a variety of subtle, special and spectacular effects to give you more enjoyment every time you use your camera or camcorder.

The Tiffen Ten-Year Warranty

Tiffen precision-made filters are so superior, we back them with a 10-year warranty against manufacturing defects. Unlike ordinary batch-dyed glass filters in which color can be uneven, our unique lamination process allows complete control over color and density for maximum consistency. Tiffen has been honored with two Technical Achievement Awards, and a Scientific and Engineering Award from the Academy of Motion Picture Arts and Sciences for its lamination process and innovative product design. Tiffen has also been awarded an Emmy, from the Academy of Television Arts and Sciences, for its Engineering Excellence.

The Professional's Choice

Superior quality and design make Tiffen the overwhelming choice of moviemakers, professional photographers and even NASA. Our filters are used in almost every major movie and TV production around the world. The craftsmanship these professionals demand is part of every Tiffen filter, whether for video, digital imaging, scientific work, film or still photography. Shouldn't Tiffen be your filter?

Helpful Icons



Also available in thin filter rings designed to help avoid vignetting on wide angle lenses.



Shows the recommended increase of exposure compensation (f-stops) for certain filters (for manual camera setting).



Special effects filters originally designed for the TV and Movie industry, now available to all photographers and videographers.

Some filters are available in various densities (grades). As the density increases, the filter effect becomes stronger. For those filters that combine a warming effect technology with any of several other effects in one filter, the warming effect remains the same.

Please check the filter sizer on page 47 to select the correct filter size for your camera.

Cover Photos:

© Christie Spencer: Pro-Mist® 2 (top)

© Stan Goldberg: Circular Polarizer (2nd from top)

© Jasper Johal: Gold Diffusion/FX® 3 (3rd from top)

© Stan Goldberg: ENHANCING (4th from top)

© Kiersten A. Stein: Warm Black Pro-Mist® 3 (bottom)

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Due to variations in printing, results may not accurately reflect filter effects.



UV Protector Sky 1-A Haze Digital Ultra Clear Warm UV

Safeguard your lens and absorb UV light

Film and video are more sensitive to UV light than our eyes are. This often shows up as a bluish cast in images, especially shots from high altitudes and long distances, particularly over water. Ultra Violet filters are available in a variety of UV absorption levels. Protects your camera or camcorder lens against dust, moisture, fingerprints, scratches and damage. These filters can be kept on your camera at all times.

UV Protector WA

- Most popular protection filter.
- Provides basic reduction of UV light.
- Available for Wide Angle lenses.

Digital Ultra Clear™

- Made from the highest quality optical glass.
- Offers ultimate protection.
- May be kept on lens at all times.
- For Digital, Video and Photo.

Sky 1-A Filter FS 1/2 WA

- Absorbs almost half of UV light.
- Popular general use filter.
- Pink-tinted for added warmth and better colors.
- Especially helpful when shooting in outdoor open shade and on overcast days.
- Available for Wide Angle lenses.

Haze-1 WA

- Reduces excessive blue by absorbing almost three quarters of UV light.
- Best general purpose UV control.
- Eliminates UV problems from most situations where increased haze tends to wash out color and image clarity.
- Available for Wide Angle lenses.



Without Filter



Sky 1-A

© Kenneth Skilute



Sky 1-A



Haze-1

© Roger J. Weindle

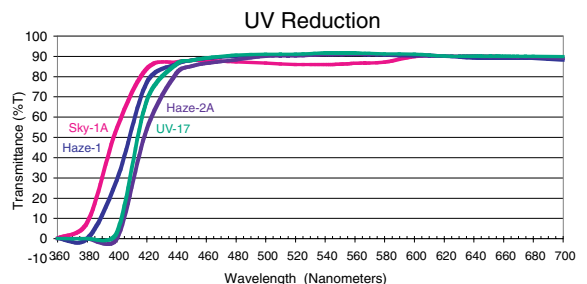
SPECIAL UV FILTERS

Haze 2A

- Absorbs virtually all UV light.
- Reduces haze more than Haze-1.
- Perfect for use in high altitudes and along bodies of water. Ideal for aerial/mountain/marine scenes.
- Maintains color and image clarity.

UV-17/ Warm UV FS 1/2

- For the technically-minded image maker who wants to absorb most but not all UV light.
- Absorbs slightly less UV light than Haze 2A.
- Combines benefits of UV 17 with Tiffen exclusive 812® Color Warming Filter for added warmth.





Polarizers provide color and contrast enhancement. Reflected light often shows up as whitish glare that washes out color in an image. A Polarizer corrects this problem producing deep, dramatically blue skies. It also removes glare from non-metallic surfaces, such as windows and water. Color saturation in general, especially outdoors, can be improved significantly.

Polarizer FS2

Circular Polarizer FS2 WA

Ultra Pol® FS2

- Essential general-use outdoor color filter.
- Produces deeper skies and minimizes reflections in black and white and color photography.
- Can be rotated to achieve desired effect.
- Ultra Pol® offers maximum polarization.

A Circular Polarizer has the same effect as a Polarizer and is used on cameras with beam splitting metering systems commonly found on auto focus SLR's (for most 35mm auto-focus cameras - see your camera manual).

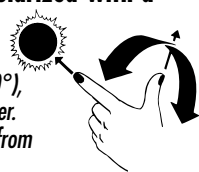
Use the Tiffen Polarizing filters with the enhancing filter for more dramatic effects.

Warm Polarizer FS2 1/3 IFX

Combines the benefits of the linear Polarizer with the warming effect of the 812® Color Warming filter making it ideal for portraits and scenics.

Area of sky most effectively polarized with a Circular Polarizer:

Point your index finger at the sun. With your thumb extended at a right angle (90°), rotate it around the axis of the index finger. It will point out the band of deepest blue from horizon to horizon.



Without Filter



Circular Polarizer

© David Singer



Without Filter



Polarizer & ENHANCING

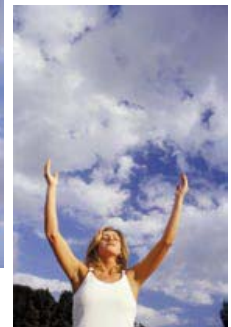
© Stan Goldberg



Without Filter



Standard Polarizer



Ultra Pol®

© Jasper Johal

Without Filter



Polarizer



Warm Polarizer

© Daniel Aubry, NYC



Sunlight, daylight, incandescent, fluorescent, and other artificial light sources all have color characteristics that vary significantly. Filters give you better images by adjusting for these light variations.

Film and video are rated for a particular color temperature such as that of daylight or tungsten light. Filters are used to correct differences in color temperature between the recording medium and the light source.

80 Series

Get the right colors with daylight film when shooting indoors, with tungsten lighting, and without a flash.

80A FS2

Balances daylight film for use with most standard tungsten lighting, studio lighting and copy stand lighting.

80B FS1 2/3

Balances daylight film for use with photo flood lamps.

85 Series

Using tungsten film in daylight will produce a bluish cast. The 85 Series will produce natural colors when shooting with tungsten film outdoors. For best results use the filter that most accurately matches your film type.

85 FS 2/3

Produces slightly cooler results than the 85B.

85B FS 2/3

Converts tungsten film to daylight.

85C FS 1/3

Useful as creative warming effect with daylight film in daylight. Designed to produce cooler results with tungsten film in daylight than the 85 or 85B.

Filter	Conversion	Exposure increase
80A	3,200 to 5,500 K	2 stops
80B	3,400 to 5,500 K	2 stops
85	5,500 to 3,400 K	2/3 stop
85B	5,500 to 3,200 K	2/3 stop
85C	5,500 to 3,800 K	1/3 stop

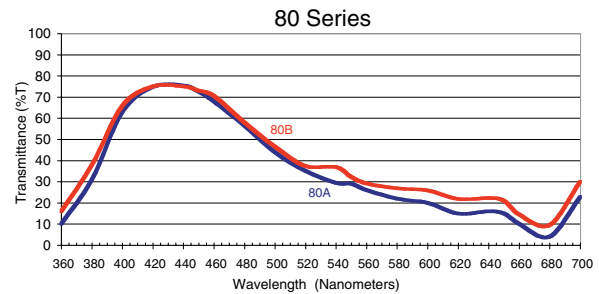


Without Filter



80A

© Ira Tiffen

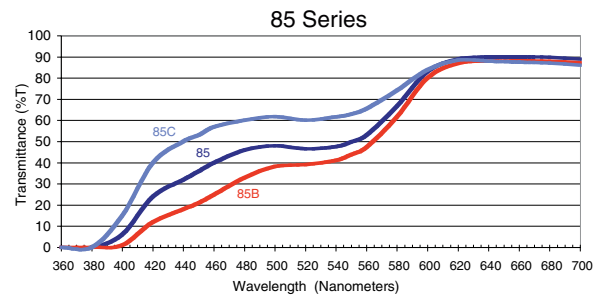


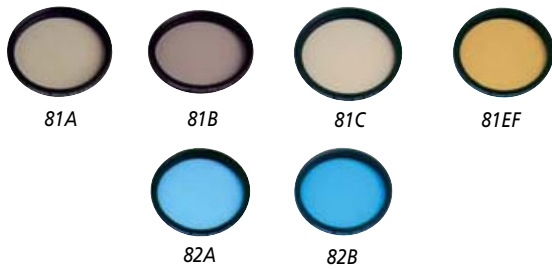
Without Filter



85B

© Harry Hofmann





81A, 81B, 81C FS 1/3
& 81EF FS 2/3

The 81 series filters are useful with daylight corrected film in cool light conditions. As letters advance, density and warmth increases.

- Creates warmer tones and brighter colors on overcast days or when shooting with electronic flash.
- Great for improving flesh tones.
- 81A converts tungsten 3200 K film to 3400 K lighting.

82A FS 1/3, **82B** FS 2/3

The 82A and 82B reduce unnatural red tones in early morning or late afternoon light.

- Prevents reddish cast.
- Maintains natural flesh tones.
- Can create mood of coolness.
- 82A provides a cooler effect with tungsten film under 3200 K lamps.

Color Compensating Filters

Magenta CC05M, CC10M, CC20M FS 1/3
 CC30M, CC40M, CC50M FS 2/3

Magenta filters balance the color of excess green cast and produce creative effects. Great for morning tint. These filters can be combined to achieve more density.

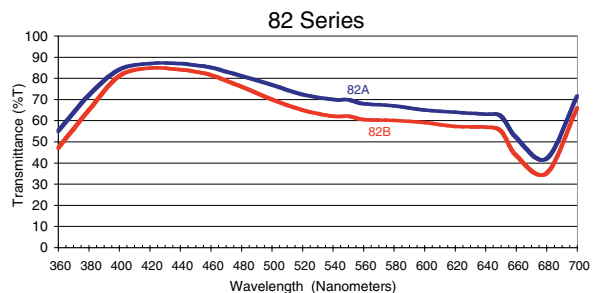
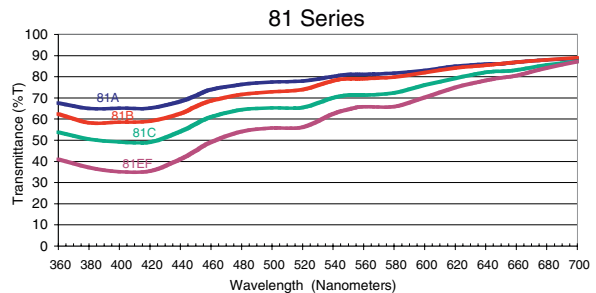
Filter	Conversion	Exposure increase
81A	3,400 to 3,200 K	1/3 stop
81B	3,500 to 3,200 K	1/3 stop
81C	3,600 to 3,850 K	1/3 stop
81EF	3,850 to 4,140 K	2/3 stop
82A	3,000 to 3,200 K	1/3 stop
82B	2,900 to 3,060 K	2/3 stop



Without Filter

© Roger J. Waindle

81C





FL-B®, FL-D® FS1

Provides correct color, removing harsh green cast caused by fluorescent bulbs. Use FL-D with daylight film and FL-B with tungsten film.

- Pleasing skintones under fluorescent lighting without flash.
- True-to-life color rendition.
- Essential in any environment where ambient light source is fluorescent.

Neutral Density

.3 FS1, .6 FS2, .9 FS3

Neutral Density filters reduce the amount of light passing through the camera lens without changing the color of the scene. Especially useful in bright light conditions to help prevent overexposure. Also allows proper exposure at a wider lens opening for reduced depth-of-field to highlight a key subject by making the foreground and/or background out of focus.

- Eliminates overly bright, washed-out images.
- Balances exposure.
- Controls depth-of-field.
- Allows slower shutter speeds to produce blurred motion effects.



Without Filter



FL-D®

© Rob Goldman

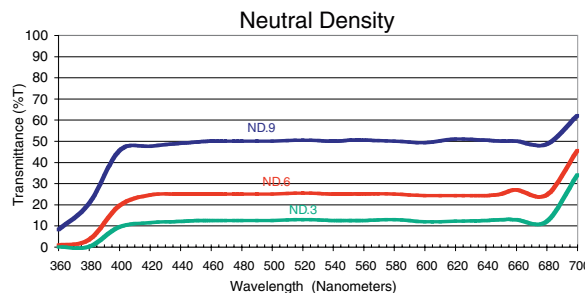
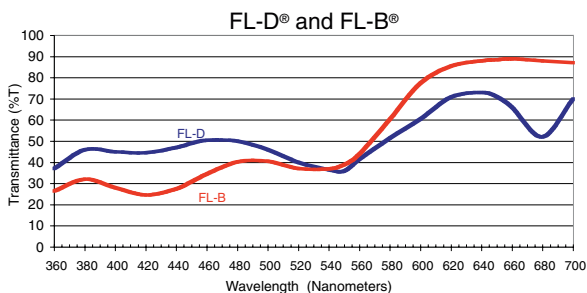


Without Filter



ND.6

© Jasper Jo hal





812®



ENHANCING®

812® Warming Filter FS 1/3

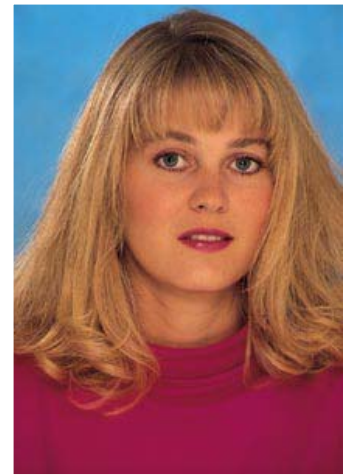
The 812® warming filter, a Tiffen exclusive, improves skintones and is ideal for portraits taken on a cloudy day or outdoors, in shade on a sunny day.

- Ideal for portraits or scenics.
- Absorbs blue cast often caused by electronic flash.
- Adds warmth to pale washed-out flesh tones.
- Warmer results than Sky 1-A.

See the Hollywood/FX® section for 812® filter effect combinations.

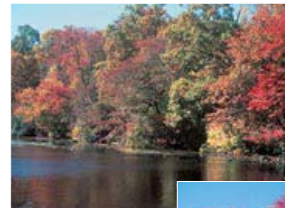


Without Filter



812® Warming

© Bruce Furr



Without Filter



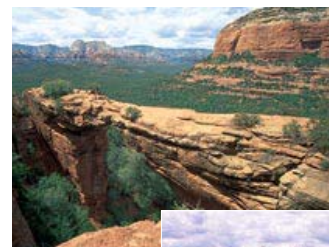
ENHANCING®

© Sandie Stern

ENHANCING® Filter FS1 WA

Makes reds, rust browns and oranges "pop", with minimal effect on other colors. Perfect for fall foliage, earthtone rock formations, architecture, woodwork, faded rustic barns and any photos where red, brown and orange subjects should be enriched or appear more intense.

- Exclusive Tiffen filter.
- Creates brighter, more saturated reds, rust browns and oranges.
- Use with Polarizer for dramatic outdoor effects.

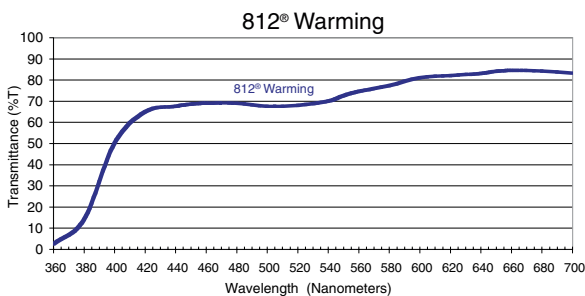


Without Filter



ENHANCING®

© Louis Cantillo





Fog

The Tiffen Fog filter mimics the effect of natural fog, creating a soft glow and flare and producing a warm romantic tone. Lighter grades take the edge off excess contrast and sharpness. Heavier grades create unnatural effects, as in a fantasy sequence or a dreamlike aura of mystery.

Double Fog

The Double Fog produces a more natural heavy fog effect where objects remain sharper and contrast is substantially reduced.

Sepia 1 FS 1/3

Sepia 2, 3 FS 1 1/3

Sepia filters create a warm, brown glow offering "turn of the century" nostalgia. Sepia #3 adds a light fog effect to soften mood.

Star Effects

Generate photographic excitement with these dazzling star effects created from original point light sources or bright reflections. Star effect will become more pronounced with a brighter, larger source. Filter may be rotated for creative control.

Smoque®

Mechanical smoke generators are often used to enhance realism where smoke is normally encountered. This can be difficult, costly and less desirable to work in a smoke-filled environment.

- Creates the look of smoke without the cost and hassle of smoke generators.



Without Filter



Fog 3



Double Fog 3

© John Spoltore



Without Filter

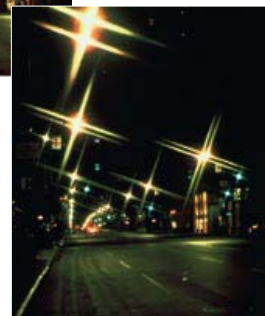


Sepia 2

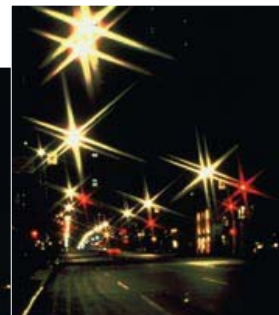
© John Spoltore



Without Filter



4 point/2mm



6 point/2mm

© Ira Tiffen



Without Filter



Smoque® 3



Close Up Lens Set

The easy-to-use solution for getting extra close. Each lens maintains resolution and picture clarity while maximizing image size. Use lenses individually or in combination for maximum effect.

SPECIALTY FILTERS

Hot Mirror

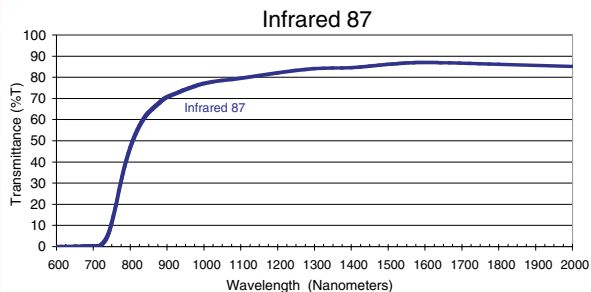
Some digital still cameras can have increased sensitivity to infrared light that may cause color rendition problems. The Tiffen standard Hot Mirror is designed to remedy this problem by reflecting most infrared light.

Infrared Filters

Various filters are used to reduce unwanted visible light. Total visible light absorption, transmitting only infrared, can be useful. Prior testing is recommended.

87

For black and white infrared film only; no visible transmission.



No Filter



Close Up +1



Close Up +2



Close Up +4



Close Up +7

© Roger J. Weindle



87 Infrared

© Michael Greer



Pro-Mist® 3



Warm Pro-Mist® 2



Black Pro-Mist® 3



Warm Black Pro-Mist® 3

Pro-Mist®

This popular motion picture effect creates a special "atmosphere" by softening excess sharpness and contrast. It generates a pearlescent halo around highlights. Lighter grades are useful in toning down the excessive sharpness and contrast of contemporary film and lens combinations.

- Great for portraits and scenics.
- Maintains focus.

Warm Pro-Mist® FS 1/3

Combines the benefits of the widely acclaimed Pro-Mist® with the Tiffen exclusive 812® filter. Useful in outdoor open shade situations where there is excessive blue in the image and when total control over lighting may not be possible.

- Great for portraits and scenics.
- Adds natural warmth to skintones, exterior shade and highlight areas.
- Eliminates pale, washed out skintones often caused by electronic flash.
- Can also help balance contrasting skintones within one scene.
- Neutral colors remain unaffected.

Black Pro-Mist®

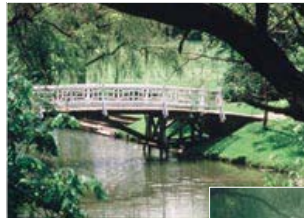
Offers all the benefits of the Pro-Mist filter in a more subtle form. Highlight flares are controlled. Contrast is lowered, but with less lightening of shadows for a more delicate effect.

- Creates a soft light "pastel" effect.
- Delicate effect with contained highlight flare.
- Low densities tone down excessive sharpness to create a "Film Look".

Warm Black Pro-Mist® FS 1/3

Offers the dramatic benefits of the Black Pro-Mist plus the Tiffen exclusive 812® Filter.

- Conveys a warm, romantic feeling.
- Useful in outdoor open shade.
- Eliminates blue cast for pleasing effect.



Without Filter



Pro-Mist® 3

© Jay B. Siegel



Without Filter



Warm Pro-Mist® 2

© Karen Hart



Without Filter



Black Pro-Mist® 3

© Franz Edson, Inc



Without Filter



Warm Black Pro-Mist® 3

© Kierster A. Stein



Black Diffusion/
FX® 3



Gold Diffusion/
FX® 3



Center Spot



Warm
Center Spot

Black & Gold Diffusion/FX®

Many techniques have been developed for diffusing or softening images, whether to create a mood in a landscape or portrait or simply as an aid to make people look glamorous.

These filters produce silky-smooth textures, even in tight close-ups without sacrificing image clarity. Each creates a diffused image that doesn't look like it's been shot through a filter.

Black Diffusion/FX®

- Does spectacular job of suppressing facial blemishes and wrinkles.
- Maintains clear focused image.
- Eyes stay clear and sharp.
- Virtually eliminates unwanted details without being dull or "fuzzy".
- Bare minimum of highlight flare is produced.
- Effect of lighter grades is subtle, with higher grades becoming gradually more noticeable.

Gold Diffusion/FX®

- Takes Black Diffusion/FX a step further.
- Adds soft, golden tint to shadows.
- Infuses images with a special warmth.

Center Spot

- Isolates the main subject, held sharp in the clear center, while diffusing a distracting background. Ideal for portrait or product applications.

Warm Center Spot FS 1/3

- Adds the warmth of the 812® filter.
- Neutral colors appear minimally affected. Cool colors and skintones are slightly warmed and softened.



Without Filter

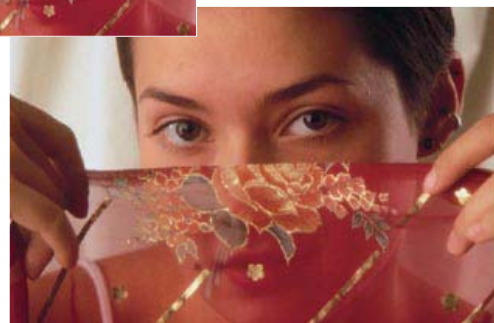


Black Diffusion/FX® 3

© Jasper, Johal



Without Filter



Gold Diffusion/FX® 3

© Jasper, Johal



Without Filter



Warm Center Spot

© Daniel Aubury, NYC



Digital Diffusion/FX 3 HDTV/FX 3 Nude/FX 1 Nude/FX 2



Nude/FX 3 Nude/FX 4 Nude/FX 5 Nude/FX 6

Digital Diffusion/FX®

Their unique optical construction—our most technically advanced diffusion filter ever—delivers extraordinary clarity of image without evidence of filtration.

- Smooths and softens facial imperfections with almost no highlight flare.
- Maintains a clear, overall in-focus image.

HDTV/FX®

With the increase in HD production for both TV and Motion Pictures, HDTV/FX filters address both contrast and sharpness issues associated with HD.

- Creates a "Film Look" by reducing contrast.
- Smooths out unwanted detail.
- Makes people look their best, especially when shot on HD.
- No evidence of filtration.
- Combines Tiffen's award-winning Ultra Contrast Filter with the new Digital Diffusion/FX filter.

Although results may be very subtle with still photography, the effects of the HDTV/FX are seen more substantially with digital and video applications.

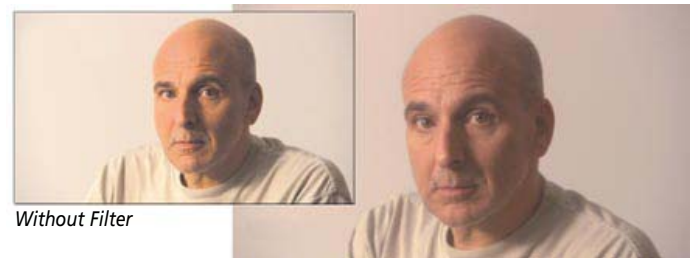
Nude/FX®

The Nude/FX filters are a series of different skin tone enhancing filters that offer ultimate flexibility and control in shooting skintones. Custom complement a person's complexion or make-up or create a new look. Perfect for headshots and close-ups. Combine with one of Tiffen's Diffusion filters for beautiful, silky smooth skin without wrinkles and blemishes. Ideal approach for both digital, video and still imaging.



Without Filter

Digital Diffusion/FX® 5



Without Filter

HDTV/FX® 5



Without Filter

Nude/FX® 1



Without Filter

Nude/FX® 5



Soft/FX 3



Warm Soft/FX 3



Glimmerglass 3



Bronze Glimmerglass 3

Soft/FX®

The Soft/FX series has a pattern of tiny lenslets designed specifically to put fine image elements, like wrinkles and skin blemishes, out of focus while leaving larger details such as the eyes, sharp. Lighter densities are very subtle, producing virtually no flare from highlights or reduction in contrast. The higher densities work harder to minimize facial imperfections and provide a more pleasing portrait.

- Ideal portrait filter.
- Softens unwanted details.
- Keeps eyes sharp and sparkling.

Warm Soft/FX® FS 1/3

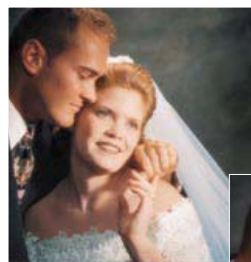
Combines the innovative diffusion technology of the Soft/FX filters with the exclusive 812® warming filter, balancing contrasting skintones to make people look their best.

- Ideal for all "people" photography.
- Two popular portrait effects combined.
- Gives skin a warm healthy glow.

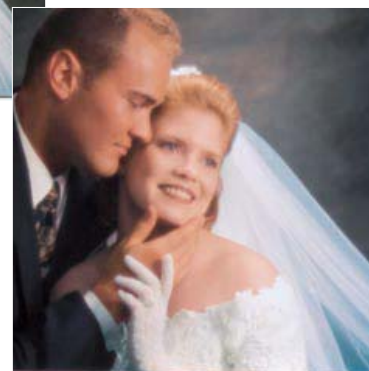
Glimmerglass® & Bronze Glimmerglass®

This series of diffusion filters is both effective to look at as well as to look through. People always want to look their best. Here's another way Tiffen makes that happen.

- Softens details in a unique manner, while adding a mild glow to highlights.
- Glass has a distinct silver "sparkle".
- Reduced contrast produces look of enhanced beauty.
- Effect of lighter grades more subtle with higher grades becoming gradually more noticeable.
- BronzeGlimmerglass adds extra warmth to image.



Without Filter



Warm Soft/FX® 2

© Monte Zucker



Without Filter



Warm Soft/FX 3

© Jasper Johal



Without Filter



Glimmerglass® 4

© Ira Tiffen



Without Filter



Bronze Glimmerglass® 3



Controlling Contrast

Controlling contrast is difficult in bright sunlit exteriors. Exposing for either highlights or shadows will leave the other severely under- or over-exposed.

Ultra Contrast Filter

Tiffen was recognized with a Technical Achievement Award from the Academy of Motion Picture Arts & Sciences for the innovative design of this popular Motion Picture and TV filter.

- Works with surrounding ambient light.
- Captures details lost in shadows.
- Lowers contrast evenly throughout image.
- No flare or halation.
- Lets you "see" more.

Hollywood/FX® Star Filters

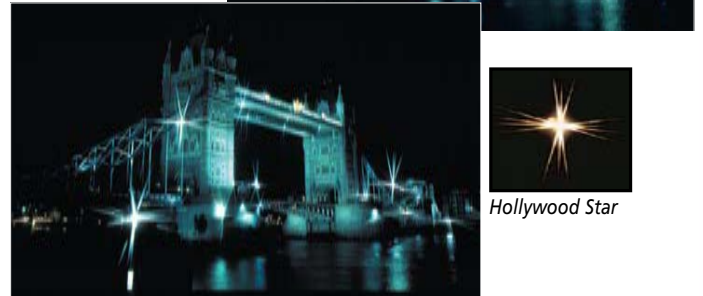
North, Hyper, Vector & Hollywood Stars

Exciting and dazzling star effects generated from original point or reflected light sources with the added glitter and sparkle of these exclusive, natural looking asymmetrical designs and shapes. Great for water scenes, candle flames, street lights, and more!

- Exciting array of patterns.
- Limitless creative options.
- Rotating mount allows exact positioning of light rays.
- Can be used in combination for remarkably creative effects.



© Franz Edson, Inc



© Jay B. Siegel



Color-Grad®
Blue



Color-Grad®
Sunrise



Color-Grad®
ND.6

Color-Grad® Filters

Transform an average sunrise or sunset into something spectacular or convert a dull, washed-out sky to a breathtaking blue. No other filter has done as much to improve landscape photography as the graduated filter. Add color selectively while leaving the rest of the scene unaffected.

Half color, half clear with a graduated density transition for smooth blending into the scene, Tiffen Color-Grad filters are available in an array of colors and Neutral Densities .3, .6, and .9. Use in combination, with one affecting the upper half of the image, the other affecting the lower half.

Color-Grad® Neutral Density Filters

Often, you want to balance light intensity between two areas within a scene. This is important outdoors to allow more sky detail while properly exposing the foreground. Exposing for the foreground will produce a washed-out, over-exposed sky. Exposing for the sky will leave the foreground dark, underexposed.

Color-Grad Neutral Density filters are part clear, part neutral density, with a smoothly graded transition between. A Color-Grad ND.6-to-clear is often best for balancing sky to foreground. Neutral gray appearance drops exposure.



ND .3



ND .9

Color-Grad® Filters

Blue



Without Filter



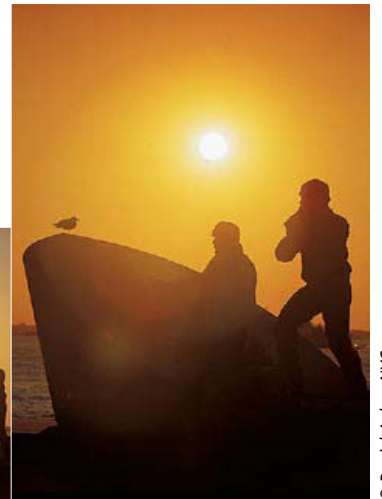
Color-Grad® Blue

© John Gittens

Sunrise



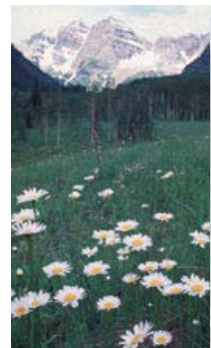
Without Filter



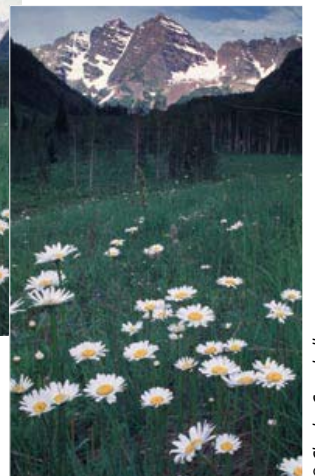
Color-Grad® Sunrise

© Daniel Aubry, NYC

ND.6



Without Filter



Color-Grad® ND.6

© Charles Campbell



Filters for Black and White Imaging



Yellow 8



Yellow 12



Yellow 15

Yellow 8 FS1

This medium yellow filter offers the most correct tonal range contrast to produce natural clouds against blue skies.

Yellow 12 FS1

"Minus blue" cuts haze in aerial work; reduces excess blue of full moon in astrophotography. Recommended as a basic filter for use with Kodak Aero Ektachrome Infrared film.

Yellow 15 FS1 2/3

Enhances landscapes, marine scenes and aerial photography with more dramatic effects than Yellow 8.

- Deep yellow filter.
- Renders sky dramatically darker.



Orange 16



Orange 21

Orange 16 FS1 2/3

Deeper than Yellow 15 for more dramatic effects.

Orange 21 FS2 2/3

Absorbs blue and blue greens. Renders blue tones darker as in marine scenes.



Blue 47



Blue 47B

Blue 47 FS2 2/3

- Dark blue filter that accentuates haze and fog.
- Used for dye transfer and contrast effects.

Blue 47B FS3

- Dark blue filter that lightens blue objects for detail.

Filters for black and white photography perform a variety of filtration effects including contrast control, enhanced skin-tones, tonal corrections and more dramatic landscapes.



Without Filter



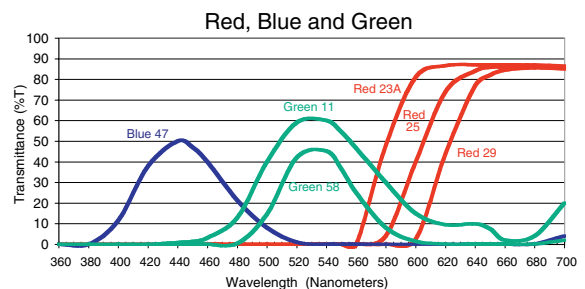
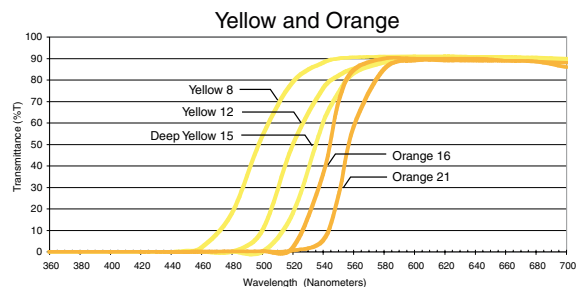
Yellow 8



Yellow 15

Although originally intended for use with black and white film, these filters can also be used as a creative tool in color imaging.

© Roger J. Waindle





Green 11



Green 58

Green 11 FS2

Ideal for more pleasing skintones outdoors. Especially suited for portraits photographed against the sky. Universal asset for all scenics. Greens are lightened to reveal more detail.

- Darkens sky in contrast to clouds.
- In foliage, greens are lightened and red blossoms darkened.

Green 58 FS3

Dark green filter that produces very light foliage.



Red 23A



Red 25



Red 29

Red 23A FS2½

Light red filter producing contrast effects that darken sky and water, as in more dramatic architectural photography. Not recommended for flesh tones.

Red 25 FS3

Create dramatic sky effects, emphasizing cloud contrast for landscapes. Simulate a moonlit scene at midday with slight underexposure. Use with infrared film to yield extreme contrast with skies, turn foliage white and cut through fog and haze.

- Medium red filter.
- Darkens blue sky creating dramatic contrast between sky and clouds.
- Creates greater contrast between foliage and flowers.

Red 29 FS4½

- Excellent copying filter for blueprints.
- Used in scientific photography.
- Use with Polarizer for dramatic b&w effects.



Without Filter



Green 11



Without Filter/color film



Without Filter

Combine a Polarizer with a Red 25 for incredibly dramatic black and white landscapes.



Red 25

© Ira Tiffen

Kits/ Twin Packs

More economical than individual filter purchases, these multiple filter kits take the guesswork out of choosing a variety of creative filter effects. Pre-packaged assortments, with combinations of Tiffen's most popular filters, provide a range of artistic possibilities for almost every application and budget.



<p>Digital/Photo Essentials Twin Pack #1 Selling Filter Kit UV Protector™ Circular Polarizer (Storage pouch included)</p>	<p>Digital/Video Essentials Twin Pack Recommended by most Camcorder Manufacturers UV Protector™ Neutral Density .6 (Storage pouch included)</p>
<p>Photo Essentials Intro Kit Picture Perfect Photos! UV Protector™ 812° Color Warming Filter Circular Polarizer 4-Pocket Filter Pouch</p>	<p>Digital ENHANCING® Kit Make colors POP! Digital Ultra Clear™ 812° Color Warming Filter Circular Polarizer ENHANCING® Filter 4-Pocket Filter Pouch</p>
<p>Digital/Video Basic Kit Light Balancing UV Protector Neutral Density .6 FL-D® Filter 4-Pocket Filter Pouch</p>	<p>Wide Angle Filter Kit For Wide Angle Lenses UV Protector Circular Polarizer ENHANCING® Filter 4-Pocket Filter Pouch</p>
<p>Black & White Imaging Kit For Contrast Control Green 13 Yellow 6 Red 25 4-Pocket Filter Pouch</p>	<p>Digital Pro SLR Kit Scenics & Portraits Digital Ultra Clear™ Color-Grad® ND.6 Pro-Mist® 2 4-Pocket Filter Pouch</p>
<p>TIFFEN® Hollywood/FX®</p>	
<p>Classic Kit Perfect for Portraits & Scenics Warm Soft/FX® 3 Vector Star Black Pro-Mist® 3 Ultra Contrast 3 4-Pocket Filter Pouch</p>	<p>Wedding & Portrait Kit Create that Special Moment Warm Soft/FX® 3 Black Pro-Mist® 3 Warm Pro-Mist® 3 4-Pocket Filter Pouch</p>

Create a new look with the "secret tools" of the movie industry! Tiffen brings you DV kits that take the guesswork out of which filter to use in a variety of shooting situations. These kits are designed primarily for professional shooters using prosumer DV cameras to produce results that are more pleasing, less harsh and less brassy.

<p>SPECIALTY KITS</p>	
<p>Scene Makers Kit Turns Day Into Night! Day for Night Filter 812° Color Warming Filter Circular Polarizer* 4-Pocket Filter Pouch</p>	<p>Video Essentials DV Kit Clear Circular Polarizer* Warm UV 4-Pocket Filter Pouch</p>
<p>"Film Look" DV Kit Black Diffusion FX® 1/2 Black Pro-Mist® 1/2 Warm Blk Diffusion FX® 1/4 Soft/FX® 1 4-Pocket Filter Pouch</p>	<p>Special Effects DV Kit Color Grad® ND.6 Pro-Mist® 1/4 ENHANCING® filter Gold Diffusion FX® 1/2 4-Pocket Filter Pouch</p>
<p>DV Essentials Kit 3 Clear Circular Polarizer* 812° filter 4-Pocket Filter Pouch</p>	<p>DV Select Kit 3 Neutral Density .6 Black Pro-Mist® 1/4 Circular Polarizer* 4-Pocket Filter Pouch</p>
<p>DV Scenic ENHANCING Kit 3 Color-Grad® Sunrise** ENHANCING® filter Color Grad® ND.6 4-Pocket Filter Pouch</p>	<p>DV "Film Look" DV 3 Digital Diffusion/FX® 1 Soft/FX® 1 Black Pro-Mist® 1/2 4-Pocket Filter Pouch</p>

*These kits contain the Ultra Pol® Circular Polarizer in sizes 4x4, 4x5.650 and 6.6x6.6

**This kit contains Color-Grad® Sunset in sizes 4x4, 4x5.650 and 6.6x6.6

Filter Guide

PROTECTION AND UV ABSORBING FILTERS

DIGITAL ULTRA CLEAR™

Protection filter for digital and traditional lenses made of ultra quality optical glass.

UV PROTECTOR™

Helps protect lens from dust, moisture, scratches and breakage. Provides basic reduction of UV light.

SKY 1-A

Popular general use protection filter. Absorbs almost half of UV light. Slightly warm-tinted for better colors. Useful when shooting outdoors in shade and on overcast days.

HAZE-1

Reduces excessive blue haze caused by absorbing almost 3/4 of UV light.

HAZE 2A

Absorbs all UV light; reduces haze; maintains color and image clarity. Best for high altitude and marine scenes.

UV 17

Greater haze correction, reduces most but not all UV light.

WARM UV

Combines the warmth of the Tiffen exclusive 812® Filter with the UV 17.

POLARIZING FILTERS

LINEAR POLARIZER

Essential for outdoor imaging; deepens intensity of blue skies; reduces or eliminates glare.

CIRCULAR POLARIZER

Same effects as Polarizer. For use on auto-focus cameras, digital cameras and DV camcorders as recommended by the manufacturer.

WARM LINEAR POLARIZER

For color imaging, a combination of Tiffen exclusive 812® filter and linear Polarizing filter; warms skin-tones and scenics.

ULTRA POL® POLARIZER

Provides maximum polarization.

COLOR CONVERSION

80 Series: Use with daylight film to shoot indoors, with tungsten lighting, without a flash, and achieve correct color in your image.

85 Series: For shooting tungsten corrected film outdoors. Produces natural colors in your images.

Other filters in various densities may be available - call customer service at 1-800-645-2522 • (631-273-2500) for information.

Filter Guide

COLOR COMPENSATING FILTERS

Magenta CC05M, 10M, 20M, 30M, 40M & 50M: Balances excessive green cast and produces creative effects. Great for early morning tint. Can be combined to achieve more density.

LIGHT BALANCING

81 Series: Useful with daylight corrected film in cool light conditions.

82 Series: Reduces unnatural red tones in early morning or late afternoon.

FL-B®, FL-D®

Provides pleasing skintones and corrects color under fluorescent lighting. Use FL-D with daylight-corrected media; FL-B with tungsten-corrected media.

NEUTRAL DENSITY .3, .6, .9

Provides balanced exposures and depth-of-field control. Eliminates overly bright, washed-out images. Great for video. Produces blurred motion effects at slower shutter speeds.

SPECIAL EFFECTS

812® WARMING FILTER

Exclusive Tiffen filter, improves color of all skintones; absorbs blue cast often caused by electronic flash or outdoor shade. Adds warmth to pale, washed-out flesh tones. Ideal for portraits.

ENHANCING®

Creates brighter, more saturated reds, browns and oranges with minimal effect to other colors. Ideal for fall foliage and enhancing red, orange and rust brown subjects.

FOG

Adds drama to your scene by producing misty atmosphere. Lights flare, softens contrast and sharpness.

DOUBLE FOG

Creates the natural look of fog, especially on overcast days.

SEPIA

Creates a warm brown tone (for color imaging) for that nostalgic feeling. Grade 3 adds a light fog effect.

SMOQUE®

Creates the look of smoke without the cost and hassle of smoke generators.

STAR EFFECTS

Achieve dazzling star effects from any direct or reflected point light source. Available in 4pt, 6pt and 8pt in 2mm grid pattern.

CLOSE-UP SET (+1, +2, +4)

Single element diopter lenses enable lens focusing on subjects much closer than standard lens. Can be used individually or in combination for added versatility.

HOT MIRROR

Designed to remedy color rendition problems in some digital still cameras.

INFRARED 87

For black and white infra-red film only. No visible transmission.

Filter Guide

HOLLYWOOD/ FX® FILTERS

PRO-MIST®

Most popular motion picture effect. Creates special "atmosphere" by softening excess sharpness and contrast; creates pearlescent glow around highlights. Great for portraits and landscapes.

WARM PRO-MIST®

Combination of Pro-Mist and Tiffen exclusive 812® filter. Warms (for color imaging) and softens. Gives skin a healthy, natural glow.

BLACK PRO-MIST®

Similar characteristics to Pro-Mist, providing a more subtle effect. Less lightening of shadows and reduction of contrast.

WARM BLACK PRO-MIST®

Combines Black Pro-Mist with 812® filter to include a warming effect (for color imaging).

GLIMMERGLASS® & BRONZE GLIMMERGLASS®

A new series of diffusion filters that soften fine details in a unique manner, while adding a mild glow to highlights. Filter has distinct silver "sparkle". Bronze adds warmth.

BLACK DIFFUSION/FX®

Gives a silky-smooth look to textured surfaces, suppresses facial blemishes and wrinkles, while maintaining clear, focused image. Creates a diffused image that doesn't look like it's been shot through a filter.

GOLD DIFFUSION/FX®

Combines effect of Black Diffusion/FX with soft, golden tint to shadows and infuses images with added warmth.

CENTER SPOT

Clear central area for dramatic focus, surrounded by ring of moderate diffusion to minimize distracting background detail.

WARM CENTER SPOT

Combines Center Spot with 812® warming filter. Warms image for more vibrant results (for color imaging).

DIGITAL DIFFUSION/FX®

Creates a silky smooth look on textured surfaces and suppresses facial blemishes and wrinkles while maintaining a clear, overall in-focus image without evidence of filtration. Creates a subtle version of "film look" in video.

HDTV/FX®

Addresses both contrast and sharpness issues associated with HD. Creates "film look" and provides subtle improvements in shadow detail.

NUDE/FX®

A series of 6 skin tone enhancing filters that offer flexibility and control in shooting skintones.

SOFT/FX®

Ideal portrait filter. Softens and minimizes facial imperfections while retaining overall image clarity.

Filter Guide/Accessories

WARM SOFT/FX®

Combines Soft/FX and Tiffen exclusive 812® filter. Smooths facial details while adding warmth to skintones (for color imaging).

ULTRA CONTRAST

Recognized with a Technical Achievement Award from the Academy of Motion Picture Arts and Sciences, this filter redistributes ambient light to capture details that would be lost in shadows. Lowers contrast evenly throughout image with no flare or halation.

LOW CONTRAST

Spreads light from highlights to darker areas; leaves bright areas bright; lowers contrast, mutes colors. Makes videos look more like film!

SOFT CONTRAST

Reduces contrast while allowing black areas to stay black; produces softer, less intense colors.

NORTH, HYPER, VECTOR & HOLLYWOOD STARS

Unique combinations of asymmetrical designs with lines of different lengths to create more natural, dramatic star excitement.

COLOR-GRAD® FILTERS

Half color, half clear, with a smooth transition in between. Add color selectively while leaving rest of scene unaffected.

COLOR-GRAD® NEUTRAL DENSITY FILTER .3,.6,.9

Part clear, part neutral density, with a smoothly graded transition between. Balances sky to foreground.

Microfiber Optical Cleaning Cloth

Specially designed to clean & polish optical lenses, camcorders, CDs, computer monitors, telescopes, binoculars, eyeglasses and more without smearing or scratching. Oversized 7" x 7" cloth.

Pro-Tective® Filter Pouches

Durable padded, water-resistant pocket organizers help protect filters from damage.

Step-Up/ Step-Down Rings

Allows use of different screw-in or series filter sizes with one particular lens. Provides easy access to a wider selection of filter sizes and gives the photographer freedom to use a standard size filter on many lens sizes.

Series 9 Adapter Rings

Series 9 adapter rings allow use of one standard series size filter on many lens sizes. They provide easy filter access for harder to fit lenses, a common problem with older camera lenses. Series-size filter, which has no threads, drops into series size adapter ring and is held securely in place with the included retaining ring.

Series 9 Screw-In 72M-9, 77M-9, 82M-9

STEADICAM® Flyer

Steadicam® continues to be the industry leader with the affordable Flyer™ and F-24™.



- Lightweight
- 4- 15 pound camera capacity
- No-tools, dual articulated arm with 30" boom
- Low mass gimbal
- 16:9/4:3 color 7" LCD monitor

F24 high definition film version brings Flyer series to the next level.

The Flyer is ideal for documentaries, weddings, local cable origination, industrial training events & more.

STEADICAM® PILOT

State-of-the-art lightweight stabilizer system designed especially for today's lightweight cameras.



- 2 - 10 lb. camera capacity
- Lightweight Iso-elastic arm with 28" boom range
- True three axis gimbal
- 3.5" LCD color monitor upgradeable to 5.8"-16:9
- Ultra low profile lightweight vest
- Power and video through sled

The Steadicam PILOT is the perfect complement to the new technology lightweight video cameras weighing 10 pounds or less. Pilot is a new generation stabilizer offering some of the same features and benefits as units used for major motion picture production. Pilot provides low cost with no compromise in quality.

STEADICAM® MERLIN



Light, agile, seamless shooting for today's videographer.

For cameras from .5 - 5 lbs.

Ultra Light
Ultra Compact
Ultra Affordable

THE MAGIC STARTS HERE



STEADICAM® MERLIN

Arm & Vest with Metal Gimbal

The lightweight, affordable Merlin just got better - a new breakthrough in camcorder stabilization. Makes extended shooting nearly effortless.

Vest:

- Lightest, thinnest vest ever made!
- Fits entire gamut of human sizes and shapes

Arm:

- Ultra-light, no-tools adjustment provides same legendary performance and flexibility as its big brothers!
- Full Iso-elastic 28" lifting range
- For cameras between 2.5 and 7.5 lbs.





Award-Winning Video Tripods for Field, Studio, Educational or Industrial Applications

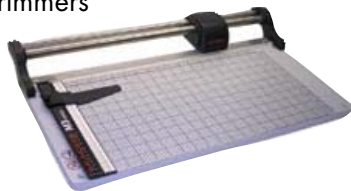


Pro-Lightweight Tripods Perfect for Digital, Video & Still Cameras



SAUNDERS®

Precision Rotary Trimmers backed with a 5-Year Warranty



Buy it once. Use it for a lifetime!

Selected for use by the White House News Photographers' Association



Stroboframe®

Complete line of Flash Brackets for the professional photographer

- Eliminates "red-eye"
- Softens harsh shadows

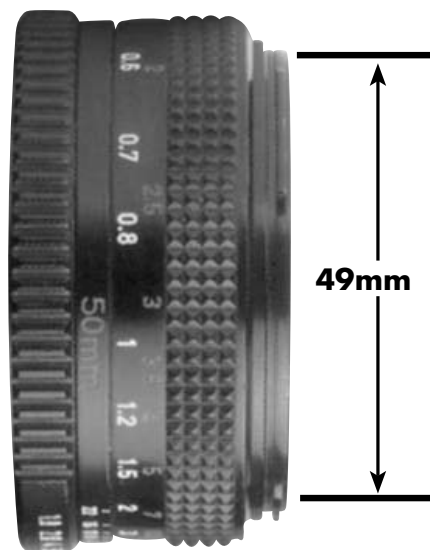


Protective Neoprene Camera Cases and Accessories.



The only software that simulates Tiffen optical filters. And more!

Choose from a palette of up to 1,000 definitive digital filters and special effects.



0

Line up the inside edge of your lens with the inside thread on zero '0'.

30.5mm

37mm
39mm
40.5mm
43mm

46mm
48mm
49mm

52mm

55mm

58mm

62mm

67mm

72mm

77mm

82mm

86mm

95mm

"E-Z" Filter Sizer

These inside threads line up with your filter size. Ask your photo dealer for assistance.