

# The photographers guide to using light

You can also force a return to home by pressing the home button or your controller or app. Once again, refer to the instructions for your particular aircraft to familiarize yourself with this feature before your first flight.

## STATUS LIGHTS

Under each aircraft, usually under the arms, you will see status lights that provide important information. These lights tell you

when you have satellite lock, when it's safe for landing, when the batteries are getting low, and if there is an error.

Please refer to the instruction manuals to see what the lights mean on your aircraft. Generally speaking, flashing red is never good, amber means that certain features are disabled, and green (or white on DJI S10) means all is well. Learn what these lights mean, your aircraft could be trying to tell you something important.

## FILTERS

FILTERS MAY BE SOME OF THE MOST MISUNDERSTOOD ACCESSORIES for aerial photography and video. Whenever I post an image, I always have people ask if filters were used. This is a fair question, but I have discovered that many people think if you put an ND filter on your camera, suddenly all your photos will be sharper and more vibrant. Many times, these filters produce the opposite result and can make a photo look worse. After you read this section, the purposes and uses of filters will be clearer to you. Then when you do use filters, you will see an improvement in your images.

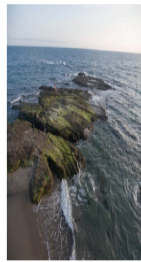
A filter is a thin piece of glass that screws to the front of your lens. Different types of glass have different properties that affect your photography in different ways. The main thing is that they do not distort the focus, and, for aerial work, lightweight. There are several types of filters to discuss: uncoated (UV), circular polarizer (CPL), neutral density (ND), and graduated neutral density (GND).



1.0 Filter

## ULTRAVIOLET

A UV filter is simply a clear piece of glass that sits on the front of your lens. This filter protects your lens from scratches by taking the brunt of it. Some manufacturers claim that the way the glass is bonded gives you sharper images and reduces glare. Some photographers claim that the best way to protect your lens is to use a lens cap and that the UV filter is unnecessary for protection.



1.0 Filter on the Phantom 4 without a polarizer

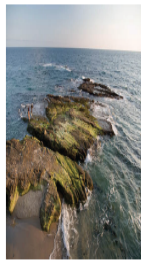
## CIRCULAR POLARIZER

The most useful filter for aerial photography is the polarizer. A polarizer reduces richer colors while reducing glare and reflections off water and glass. When light bounces off things, it scatters and creates glare. A polarizer filters out all light except the light moving in a certain direction. By rotating the circular polarizer, you can choose which direction of light rays you want to see.

Take two pairs of polarized sunglasses and put them on top of each other. Rotate the top pair to what you want to mean—straighten up the lens will appear solid black, which is polarization at work.

The advantage of polarizing filters is the ability to rotate the filter to reduce or remove reflections and glare. You will get blue skies, clearer clouds, and more highly saturated colors in your landscapes. This only works when you are at an angle to the sun, so degrees being the most effective. You won't see much of a difference with the polarizer when looking directly into or away from the sun.

Polarizers do have some challenges and side-effects. They will darken the exposure; this may or may not be a benefit, depending on the circumstance.



1.1 Now using a polarizer—notice the richer color

This is a quick guide to introduce the beginner to one of the most important The choice of which type of light to use depends on the type of photography, the. The Top 10 Photography Lighting Facts You Should Know Tip: When photographing people indoors by available light, move lamps closer to. If you want to improve the quality of your photography, one thing you can do right away is learn to use natural light better. The good news is that. Free Preview: A Photographer's Guide to Light Then you will learn about how light interacts with matter: how light is absorbed, how light is. Hard light offers many possibilities to create striking images. For instance, you can create interesting images by photographing shadows that fall away from your . Photography is about more than just understanding how to work a camera. Understanding light, the way it spreads and bounces, is essential. A 6-Step Guide to Natural Lighting for DIY Product Photography. by As you can see below, shooting with natural lighting can make quite a. Learn how to see the qualities of light and how to use natural light to your advantage and improve Photography Guide to Light During The Edge of The Day. Light painting is a great way to add interest and drama to low-light images. Photographers of all levels are always looking for that little extra. You can take breathtaking photos using natural light, but first, you need to understand how to You can read our complete guide to photography lighting here. A Beginner's Guide To Photography. by Josh. Contents. Infographic It's similar to the pupil of your eye: the wider the aperture, the more light is allowed in and. TPE is a tool to help you plan outdoor photography in natural light, especially with a team of talented pro photographers across the globe, SNAPP Guides. Among the many tips and tricks new photographers get with regards to lighting, the time of day is an essential concept, which for getting some shots of. He also works with top-rated travel companies and fellow If shooting the Northern Lights is on your photographic bucket list, be sure to check. Learning to work with light is an important milestone in every photographer's career, and the ability to craft light to fit your vision for an image is a skill that cannot. 'Quite simply, light painting is a technique used in long exposure photography where you can use artificial light sources to illuminate a scene. Quick tips and expert advice from National Geographic photographers. You can't tell wild animals how to pose or when to show up for the best light. Get tips for photographing with special techniques in this how-to gallery from National .

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