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## **MIOPS** SMART

CAMERA & FLASH TRIGGER FOR HIGH SPEED PHOTOGRAPHY

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MIOPS will capture lightning fast pictures for you! When the lightning strikes, MIOPS is ready to capture it!



MIOPS Smart takes your photography skills to the next level!



## WHAT IS MIOPS?

MIOPS is a standalone, small factor device which can trigger your camera or flash unit. So that it helps photographers to take photos of high speed events which are almost impossible to capture just with human reflexes.

MIOPS has three different built-in sensors; light, sound and laser. MIOPS uses these sensors to detect external events such as but not limited to lightning strikes, fireworks, popping balloon, water splashes, exploding items or a laser beam cut by an obstacle. When such an event is detected, it triggers your camera or flash unit.





WEIGHT: 3.17 ounces (90 grams)

SIZE: 3.93 x 2.36 x 0.78 inches



Smartphone Controllable

IOS & Android Support



Upgradable Firmware

Open to New Features



Rechargeable Battery

USB Charging is available



Advanced Scenarios

Combination of Multiple Sensors



Remote Triggering

Using MIOPS Mobile Dongle





## LIGHTNING:

Even this mode is called lightning, there is actually so much more about it. Lightning is only one of the events that MIOPS can detect with its light sensor. When the lightning strikes, MIOPS detects in a few nanoseconds and triggers your camera. You don't need to keep your finger on the shutter release button without knowing when it is going to strike again. MIOPS will detect it and it will help you take the perfect picture.





## SOUND:

This is the essential mode to take high-speed pictures in a controlled studio environment. Even MIOPS is fast enough to take pictures of bullets or arrows, your camera is not that fast. You just need to prepare your setup in a completely dark room and bring your camera into bulb mode. As it is completely dark, the camera will not capture anything. All you need to freeze the moment is delivering light with a flash unit. This is why MIOPS triggers your flash unit to eliminate the shutter delay of your camera.





## LASER:

MIOPS can detect laser beams as well and they make the detection of so many events possible. The idea is very simple. If the laser beam is broken, then there must be something happened. And most of the time something happens in milliseconds, but it is not a big deal for MIOPS. The laser beam is so thin, even a water drop can break it. Laser mode can also be used to detect the presence of people, animals or anything bigger than a water drop.







## TIMELAPSE:

When it comes to MIOPS, it is not just sensors. In timelapse mode, MIOPS does not use any sensors but it benefits from the electronics and software to take sequential pictures within a time period with equal time difference between each of them. You can also specify the exposure of the pictures just per your wish. After you have adjusted your parameters, MIOPS will take care of the rest. MIOPS is capable of taking the pictures with great precision no matter how long it takes to do this.



## SCENARIO:

On top of the basic modes (Lightning, Sound, Laser, Timelapse, HDR and External Port), MIOPS Smartphone Application adds a very cool feature called "Scenario". What does this mean? In this mode you can create a custom scenario with up to five different steps. In each step, MIOPS can use either the same or a different sensor. The result will be a totally unique set-up with sequential steps utilizing one or more sensors for the overall scenario. For example you can start timelapse function after a lightning strike is detected.





## HDR:

HDR (High Dynamic Range) photos look too good to be true because they are actually not. Digital processing of the same picture with different exposures is the main idea behind it. It is again done with picture processing software but it is the quality of the single pictures which makes a great HDR picture. MIOPS does here again a fantastic job by achieving highest precision and providing the best time savings.



## DIY(Do It Yourself):

MIOPS offers unlimited creativity not just with the built-in sensors and software but also with the capability of connecting external sensors as well. If you have a high-speed photography project in your mind which uses another type of sensor, this is not a blocker for MIOPS. MIOPS can accept signals from external sensors with the dedicated port, so you are not limited to light and sound events only.







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