



MAPIR Camera - NDVI Blue+NIR

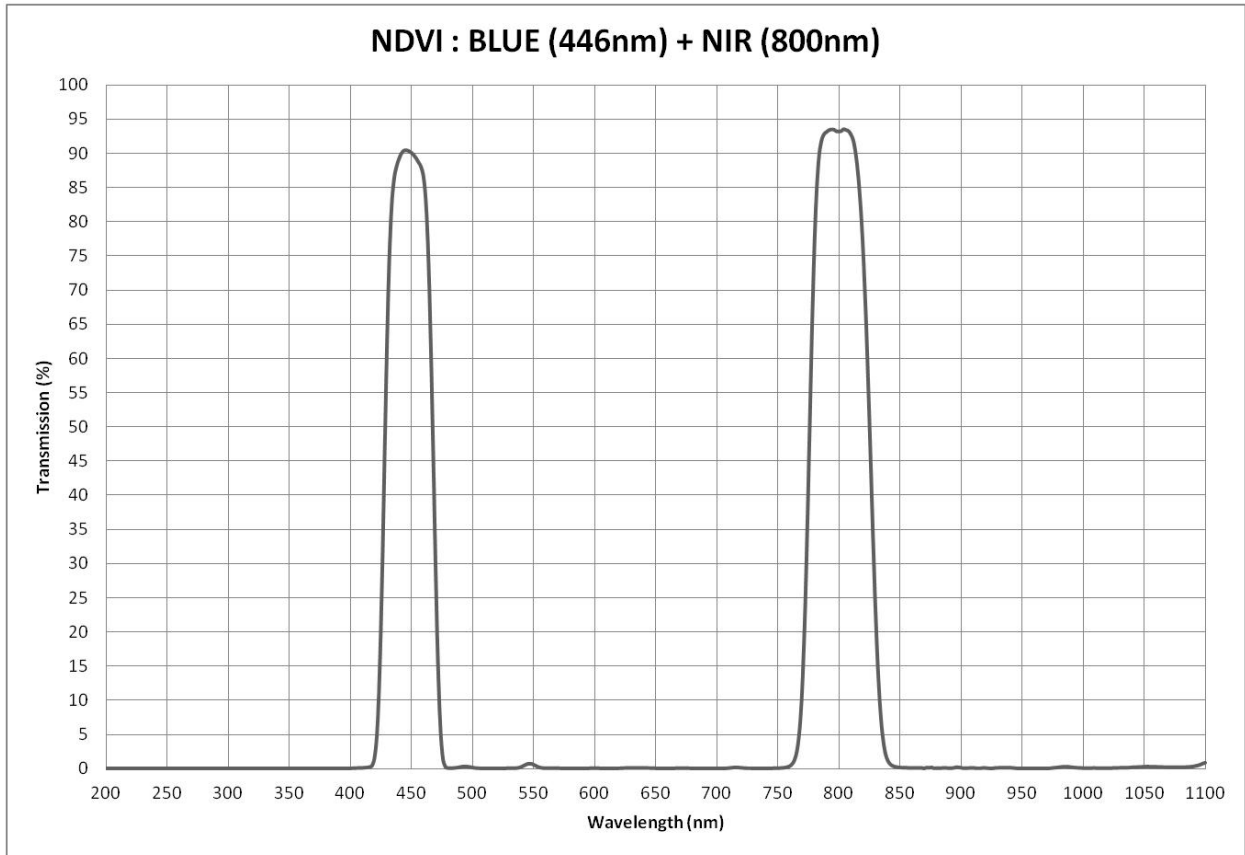
This camera sees both Blue Light and Infrared (IR) Light with no cross talk between bands. It is most often used as a single camera NDVI solution for assessing where plants are located in agricultural surveying. By processing the resulting image, you can see the locations of varying levels of vegetation health and where there are no plants.

Camera captures a photo every 3 seconds. For best results, we recommend a survey overlap of at least 85% front-lap and 70% side-lap and a maximum 5f/s (1.5m/s) speed for every 65ft (20m) of altitude (AGL).

Product Specifications:

Image Resolution	12 MegaPixel (4,032 x 3,024 px)
Lens Optics	60° HFOV (31mm), f/2.8 Aperture, -0.85% Extreme Low Distortion (Non-Fisheye) Glass Lens
Ground Sample Distance (GSD)	6.83 cm/px at 120 m (~400 ft) AGL
Capture Speed	1 Picture Every 3 Seconds (24 bit JPG)
Battery	Removable Li-ion (900mAh) [Not Required When USB Powered], ≈2,500 Photos Per Charge
Weight	47g (1.7 oz) [Without Battery], 64g (2.3 oz) [With Battery]
Dimensions	59.2 x 41.0 x 29.8mm (Length x Height x Depth)
Memory Storage	Micro SD (Up To 32GB Card) [32GB Card ≈ 8,400 Pictures (Fine)]
White Balance	Auto* / Daylight / Cloudy / Tungsten / Fluorescent
ISO	Auto* / 100 / 200 / 400

Exposure	+2.0 / +1.67 / +1.33 / +1.0 / +0.67 / +0.33 / +0.0* / -0.33 / -0.67 / -1.0 / -1.33 / -1.67 / -2.0
Quality	Fine* / Normal / Economy
Sharpness	Strong* / Normal / Soft
LCD	1.5" Color LCD Screen
Video Out	HD 1080p (HDMI Micro), SD 480p (Optional USB FPV Cable)
TV Mode	NTSC / PAL
Power	USB (Micro-A Cable Included, Optional Micro USB FPV Cable)
OSD Language	English*, French, Spanish, German, Italian, Chinese, Russian, Japanese, Korean
OSD Display	ON* / OFF
Wifi	Wireless Mobile Android & iOS Control Viewing Application
Date Stamp	ON / OFF*
Sound	ON* / OFF
Auto Power Off	ON / OFF*
Screensaver	ON / OFF*
Vertical Rotate	ON / OFF*
Included Accessories	USB Charge Cable, USB Wall Charger, Waterproof Case + Mounts, Cleaning Cloth, Manual



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