MAPIR Camera - Visible Light

This camera sees visible light just like our eyes do. A visible light filter is used for capturing a normal RGB color image for surveying and comparing to a NDVI graded one. It can be used for orthophotography where many photos are combined to generate a 3D model.
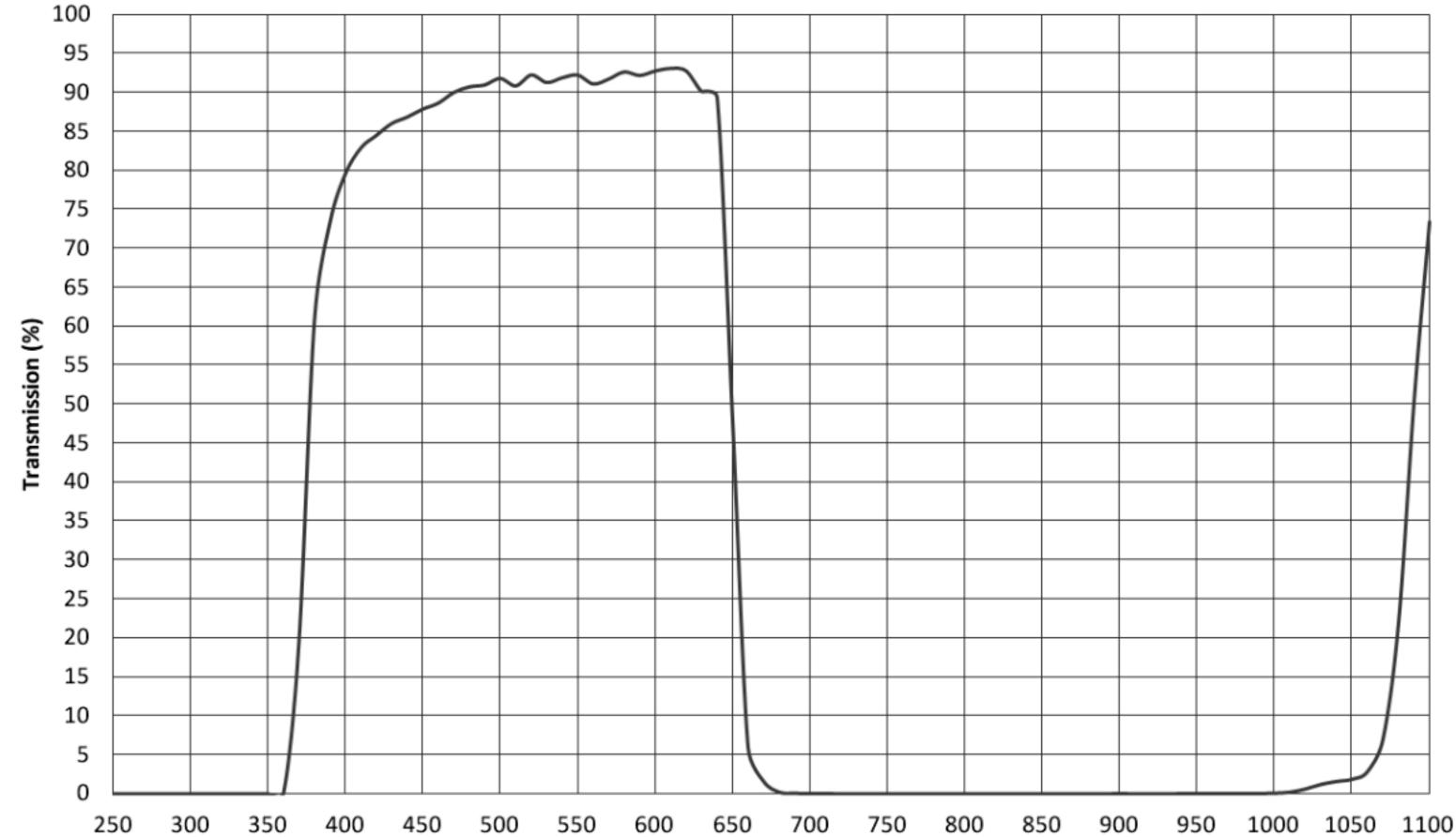
Camera captures a photo every 3 seconds. For best results, we recommend a survey overlap of at least 85% front-lap and 70% side-lap and a maximum 5f/s (1.5m/s) speed for every 65ft (20m) of altitude (AGL).

Included Accessories:

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

* = Default Setting

Visible Light (IR Cut Filter)