

The MAPIR Survey3 cameras are a compact and affordable solution for multispectral imaging. Each image records 3 separate spectrums based on the filter model, and are calibrated for percent reflectance using MAPIR's reference targets and light sensors.

SURVEY3 CAMERAS



► 2 LENS OPTIONS

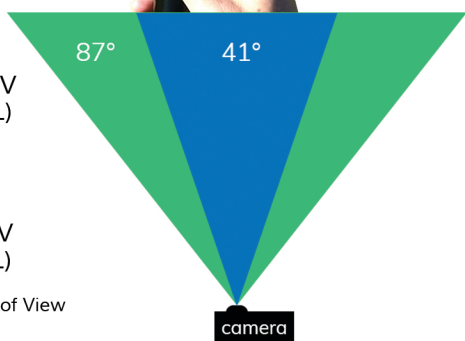
WIDE

Survey3W 87° HFOV
5.5cm/px (120m AGL)

NARROW

Survey3N 41° HFOV
2.5cm/px (120m AGL)

*HFOV = Horizontal Field of View



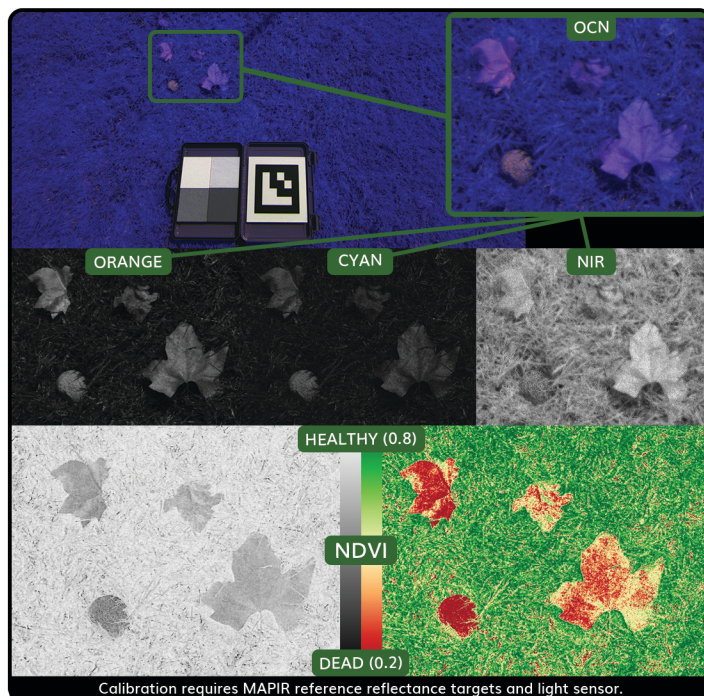
► SPECIFICATIONS

Data Capture	3-Channel Multispectral (6 Filter Options) 12 MegaPixel (4,000 x 3,000 px) RAW Photos: 16bit JPG Photos: 8bit
Sensor	Sony IMX117 12MP (Bayer RGGB, Rolling S.)
Photo Interval	2.8s (Minimum, RAW+JPG Image Pair)
Remote Control	PWM Shutter Trigger & USB uSD Card Mount Exposure Strobe (PPK)
Shutter Speed	1/2000 to 1 Min
ISO	50, 100, 200, 400, 800, 1600
GPS/GNSS	External (ublox G7020-KT or MAX-M10S)
Storage	uSD (Class10 UHS-1, maximum 512GB)
Battery	1200mAh Li-Ion (150 minutes)
Charging	USB DC 5V 1A (1000mA)
Weight	49.8g (No Battery), 75.4g (With Battery)
Included	Survey3, USB Cable, GPS, Battery, Lens Cap

► 6 FILTER OPTIONS

RGB	Red + Green + Blue (Visible Light)
OCN	Orange (615nm) + Cyan (490nm) + NIR (808nm)
RGN	Red (660nm) + Green (550nm) + NIR (850nm)
NGB	NIR (850nm) + Green (550nm) + Blue (475nm)
RE	RedEdge (725nm)
NIR	Near Infrared (850nm)

► NDVI EXAMPLE (OCN)



Calibration requires MAPIR reference reflectance targets and light sensor.



MAPIR, Inc
7630 Miramar Road - Suite 2200
San Diego, CA 92126 USA
www.mapir.camera

General Inquiry: info@mapir.camera
Resellers/Distribution: reseller@mapir.camera
Toll Free: +1 (877) 949 - 1684