



# Clifton Cameras Product Specification

## Vaonis Vespera II Smart Telescope

Aperture: 50mm

Focal Length: 250mm

Focal Ratio: 5

Lens Design: Apochromatic quadruplet with field corrector

Lens Features: Extra low dispersion Lanthanum glass S-FPL52

Native Field of View: 2.5°x1.4°

Live Mosaic Field of View: max. 4.3° x 2.4° or 3.25° x 3.25°

Sensor Type: Sony IMX 585 (Colour)

Sensor Definition: 3840 x 2160 (8.3 megapixels)

Image Definition with Mosaic Mode: max. 24 mega pixels

Leg Sections: 5

Leg Tube Diameter: 32, 29, 26, 23, 20 mm / 1.26, 1.14, 1.02, 0.90, 0.79 "

Sensor Format: 11.2 x 6.3mm

Pixel Size: 2,9 µm

Sampling: 2,390 arc sec.

Limiting Magnitude: 16

Battery Life: 4hrs (built-in)

External Battery Connection: Yes

Storage: 25 Go

Connector: USB-C

Image Format: Jpeg, FITS, TIFF (16 bits RAW image)

Expert Mode (Capture Calibration Frames): Yes

Size: 48 x 20 x 9 cm

Weight: 5 kg

Operating Temperature: 0° to 40°C

Optional Filters: Solar, CLS, dual band