Altum-PT Multispectral Camera

Pan-sharpened resolution of

1.25 cm/pixel at 60 m
2.5 cm/pixel at 120 m

Open interfaces for easy integration

Five spectral bands at 3.2MP each

CFexpress storage card for capture rate of 2 images per second

DLS 2 with Embedded GPS

8 light sensors and 12 directional sensors

12.4MP panchromatic sensor

Boson 320 x 256
33.5 cm/pixel thermal GSD at 400 ft (120 m)

THERMAL BY ◆FLIR®

Thermal Imaging Camera

Key Features:

►Removable, professional-grade CFexpress storage up to 2TB allowing for 2 captures / second

►Ultra-high-resolution panchromatic imager for data outputs at 2.49cm resolution from 120m—more than 2 times the resolution of today's comparable multispectral cameras

►Built-in 320 x 256 radiometric thermal imager for two times the ground resolution of the current Altum
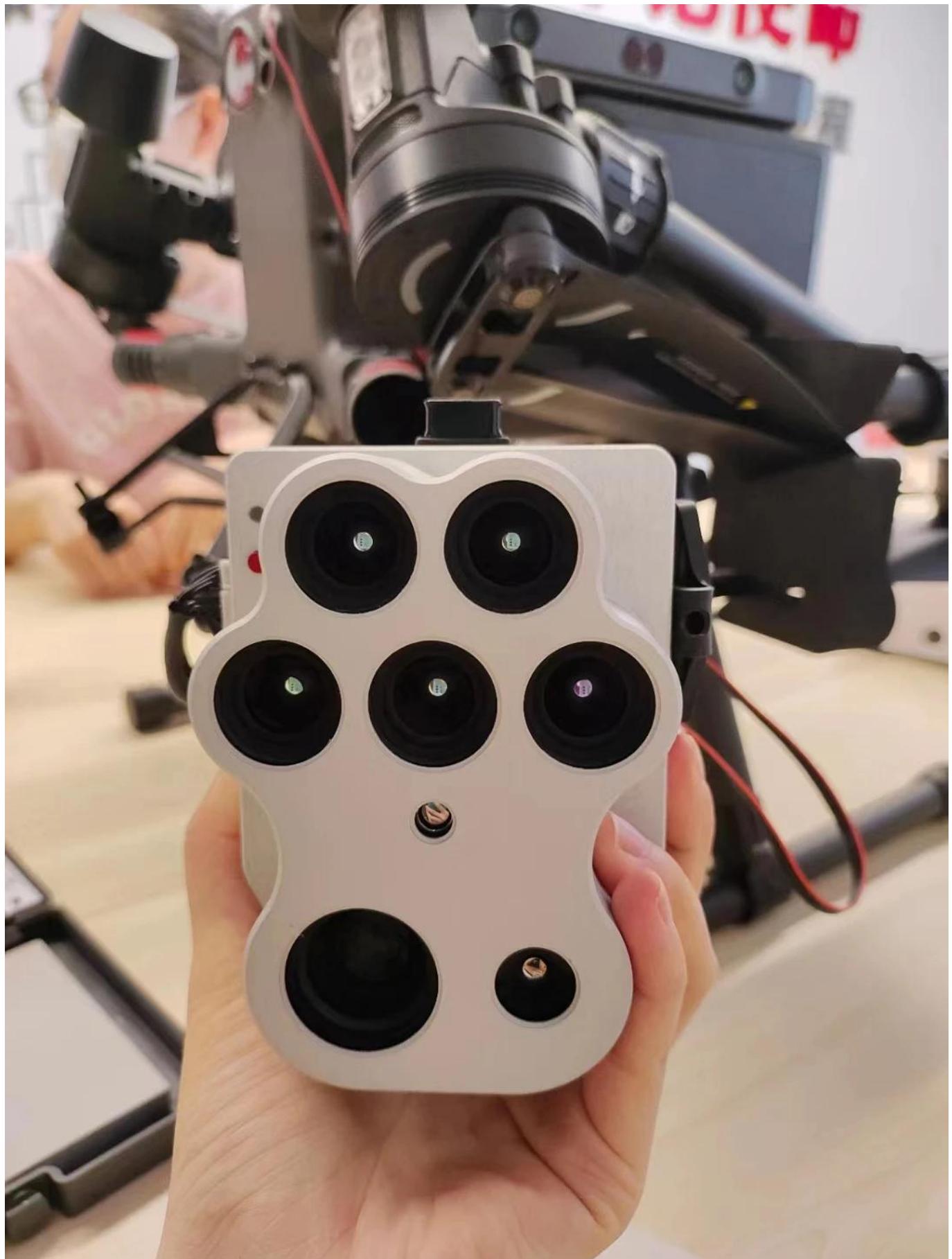
## Key Benefits:

►Simultaneous capture of up to six discrete spectral bands, enabling outputs such as RGB color, crop

vigor, and high- resolution panchromatic.

►Obtain the most accurate radiometric results at resolutions that enable entirely new remote sensing workfows - 1.2 cm (0.47in) pan-sharpened ground resolution when fying at 60m (200ft).

►Discern issues at the plant level, even in the early growth stages, including early-stage stand counting.

►Optimized for tasks that require ultra-high resolution and compatible with rapid in-feld workfows for on-the-spot decision making.

►The integrated thermal model features patented technologies that enable the more accurate thermal maps - with better than 2-degree repeatability across measurements – twice the resolution of the current Altum.
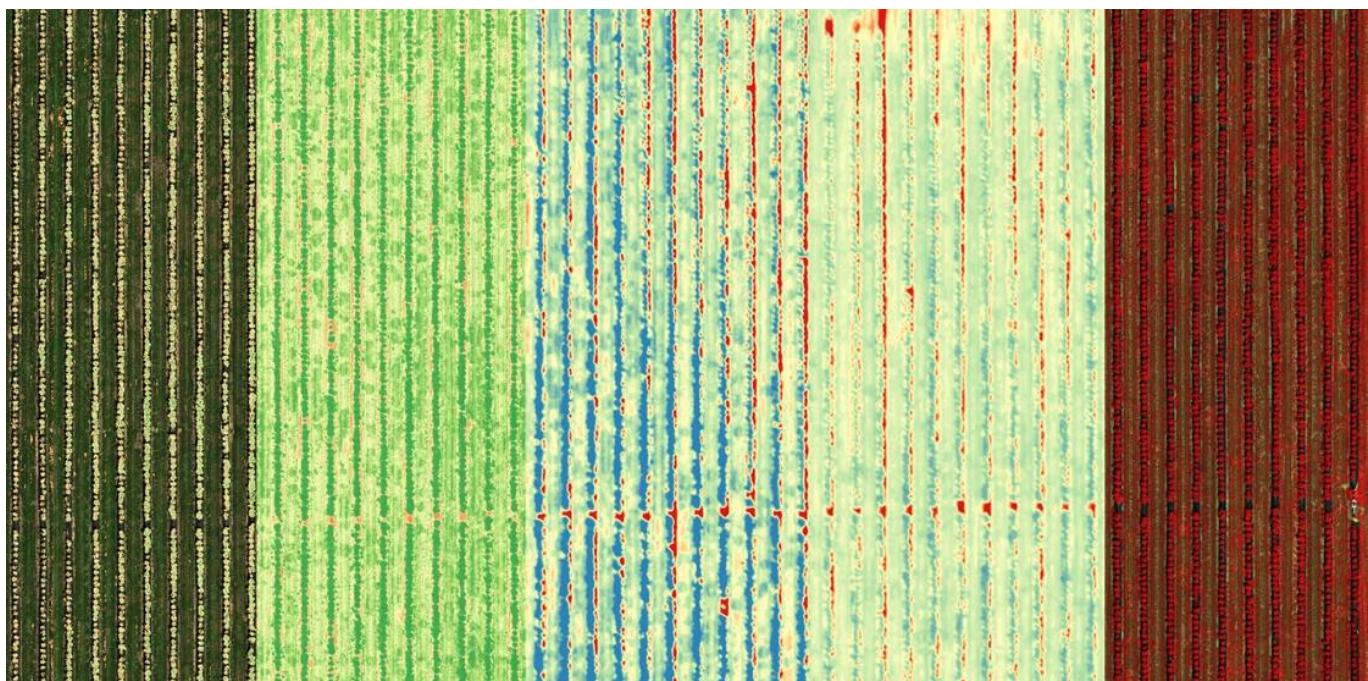
Specification:

Model	Altum-PT
Weight	577g(20.35oz.) Altum-PT+WI-Fi+ CF Express Card+DLS2&Cables
size	11 x 8 x 6.9cm
External power supply	7V-25.2V
Sensor resolution	2064x1544(3.2MP per MSband) 4112x3008(12MP panchromatic band) 320×256 thermal infrared
Spectral Bands	Blue(475nm center,32nm bandwidth), Green(560nm center,27nm bandwidth), Red(668nm center,14nm bandwidth), RedEdge(717nm center,12nm bandwidth), Near-IR(842nm center,57nm bandwidth)
Thermal	FLIR LWIR thermal infrared 7.5-13.5 um radiometrically calibrated
Multispec GSD @ 120m(per multispec band)	5.28cm per pixel
Panchro & Pansharpened GSD @ 120m	2.49cm per pixel
Thermal GSD @ 120m	33.5cm per pixel

Capture Rate(Allbands, RAW, DNG format)	2 capture per second raw DNG
Storage	CFexpressCard
IP Rating	IP4X
Interfaces	3 confgurable GPIO:select from trigger input,PPS input,PPS output,and top of frame signals.Host virtual button.USB2.0 port for WiFi.Serial.10/100/1000 Ethernet.CF Express for storage.