

PHASEONE

QUANTUM
SYSTEMS

Trimble



TRINITY PRO

Phase One P5

Phase One P5

The Phase One P5 is the revolutionary flagship **128MP Medium Format** camera that transcends its role as a mere camera – it's a **survey-grade instrument** set to redefine the way you capture.

With an astounding 128-megapixel resolution, it delivers unprecedented image detail and resolution, ensuring the utmost accuracy and reliability in your survey data. Achieve exceptional results, down to 0.3/0.8 cm RMS XY/Z* absolute accuracy, making your data impeccably trustworthy. When paired with the Trinity PRO, the P5 swiftly covers large areas with survey-grade precision,

significantly reducing time and costs compared to conventional methods. The electronic global shutter, combined with metrically calibrated lens and sensor, reduces the necessity for extensive software corrections caused by pixel distortion, ensuring the preservation of high-quality data. Take your surveying to the next level with the P5!

*Using high precision PPK and accurate ground control points.

Phase One P5

Technical Specifications



Sensor Resolution	128 MP
Sensor Type	CMOS
Sensor Size	Medium Format
Shutter Type	Electronic Global Shutter
Dynamic Range	80 dB
Max Frame Rate	4 fps
Storage	CF Express Card up to 2TB
Lens Options	80 mm (HFOV: 32° VFOV: 23) 35 mm (HFOV: 66° VFOV: 49)

80 mm Option

GSD @60m	0.26 cm/px
GSD @120m	0.52 cm/px
Coverage @60m AGL	67 ha (0.26cm/px GSD, 70% overlap)
Coverage @120m AGL	135 ha (0.51cm/px GSD, 70% overlap)

35 mm Option

GSD @60m	0.59 cm/px
GSD @120m	1.18 cm/px
Coverage @60m AGL	154 ha (0.59cm/px GSD, 70% overlap)
Coverage @120m AG	309 ha (1.18cm/px GSD, 70% overlap)

Sample Data



FLIGHT ALTITUDE
60 m



GSD
0.26 cm/px



Area
14 ha



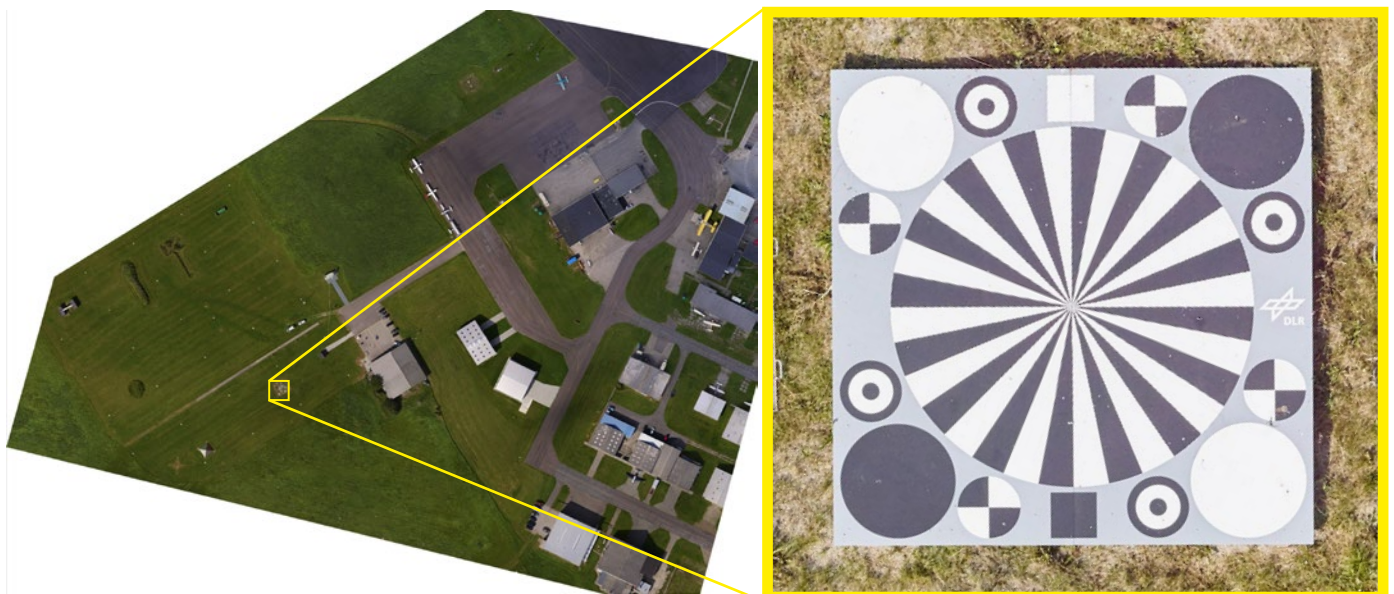
FLIGHT SPEED
18 m/s



Images
1804



Flight Time
12.40 min



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