



DT-3BANDS X

— SENSOR —

HIGH RESOLUTION PHOTOGRAMMETRY RGB SENSOR

1.1 cm
RESOLUTION

36.4
MEGAPIXELS

Dust-proof
INGRESS PROTECTION

Survey-
grade CCD
GLOBAL SHUTTER

Acclaimed by the community of surveyors and photogrammetry experts, the DT-3Bands X sensor is perfectly suited for extensive corridor mapping and large topographic surveys. Its high resolution (36.3 Megapixels) and excellent photographic performance combined to the long-range capability of the DT26X UAV make it the ideal tool of modern mapping applications.

APPLICATIONS

- Mapping & Topographic survey
- DSM, DTM, point cloud
- 3D Photogrammetry

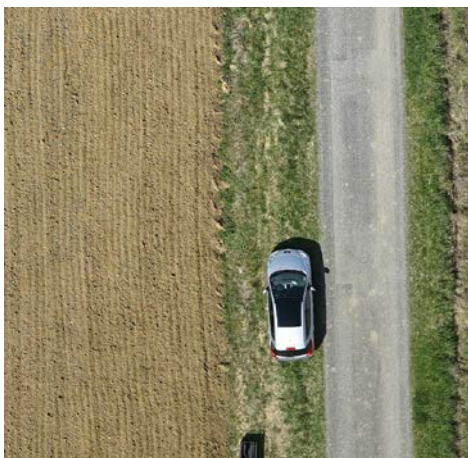
Focal length	35 mm
Megapixels	36.4 MP
Width x Height	7,360 x 4,912 pixels
Pixel pitch	4.9 µm
Ground Picture Size	W 155 m x L 103 m at 150 m AGL
Picture acquisition	1.4 Image/second
Sensor type	Global shutter
Onboard storage	128 GB micro SD card
HFOV / VFOV	55° / 38°
Bands	R-G-B

Full-frame resolution with lightning-fast autofocus has been previously unattainable in the small, long range UAV survey market. With the DT26X and the DT-3Bands X sensor, that is no longer the case.

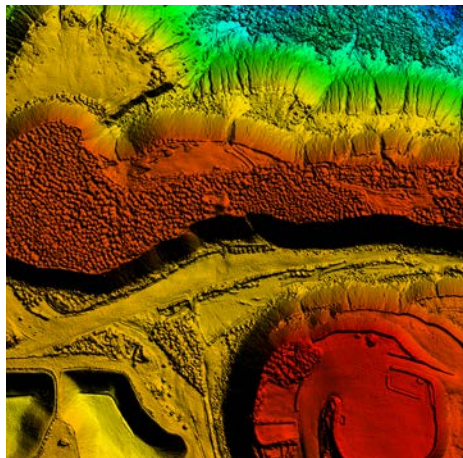
By flying lower than 150 m AGL, the DT-3Bands X RGB sensor can attain a GSD of 1.1 cm. Survey-grade precision for mapping and survey projects is simple, safe, and fast.

Altitude AGL	Coverage	Resolution GSD	Accuracy*
80 m	4.8 km ²	1.1 cm	1.6 cm
150 m	9 km ²	2.1 cm	3.2 cm
700 m	42 km ²	9.8 cm	15 cm

*best absolute picture positioning with DT26X high precision PPK IMU using appropriate methodology provided by Delair-Tech experts



2 cm GSD (resolution) @ 150 m



Centimeter level DTM



Long range corridor mapping

