



ČESKÁ ZEMĚĚLSKÁ UNIVERZITA V PRAZE

AERIAL IMAGING WITH FIXED-WING UAV

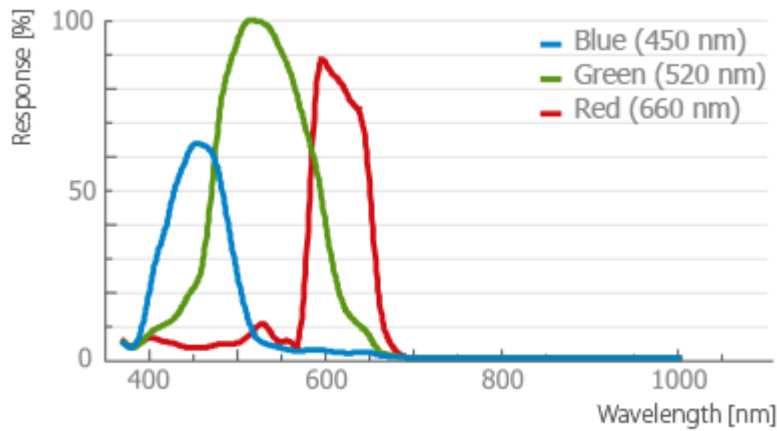
JAN KOMAREK



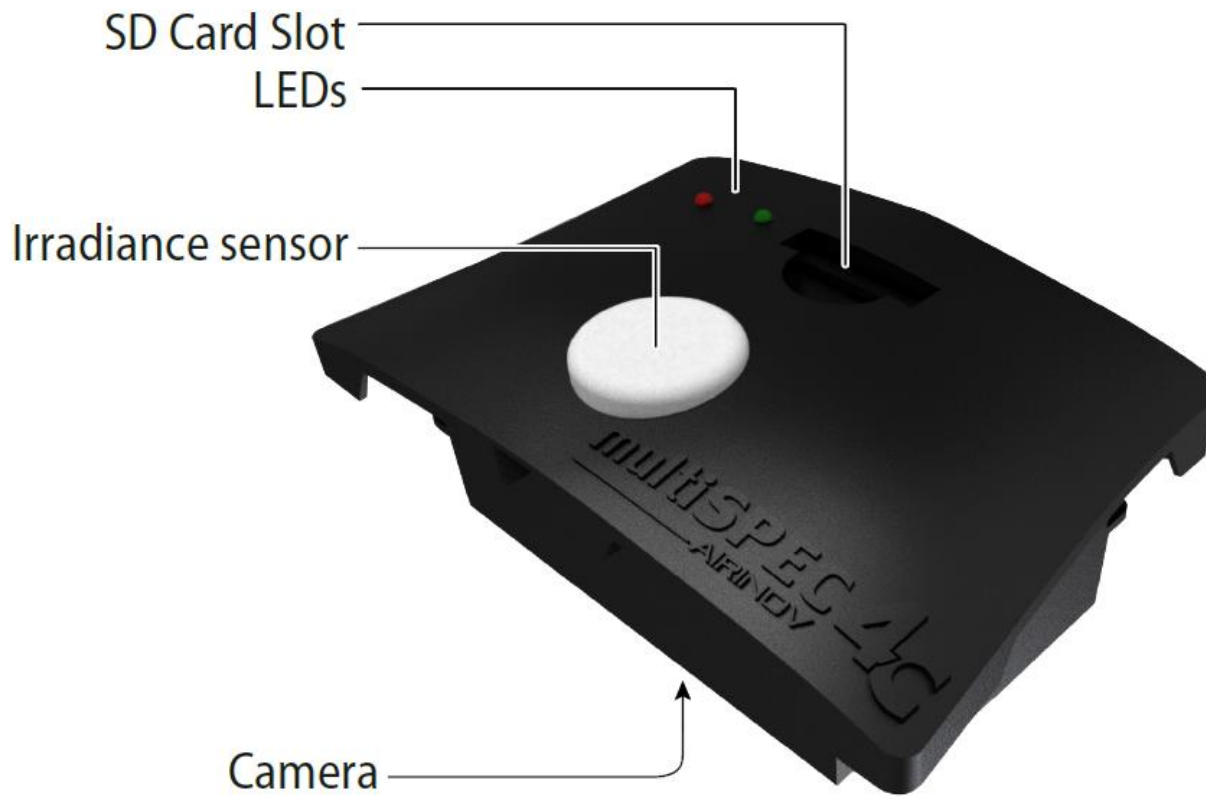
2/3" sensor size



1" sensor size

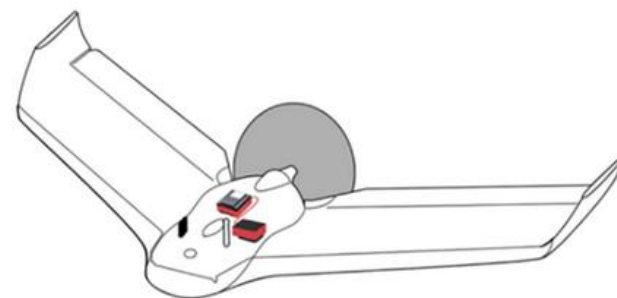
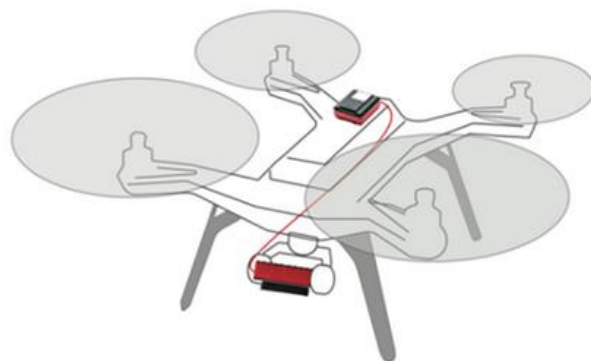


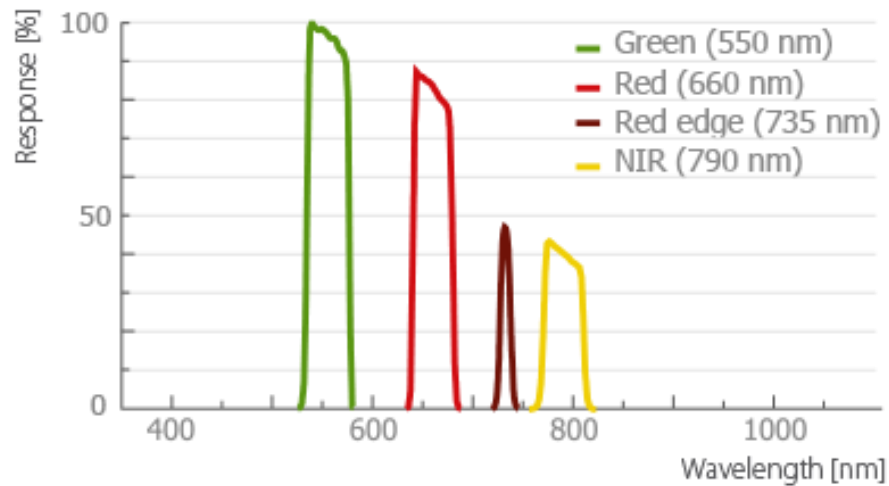
Dimension	78 x 121 x 61 mm
Image size	4 x 1.2 MPx
Sensor	global shutter
Outputs	4-page 10-bit TIFF
Weight	160 g



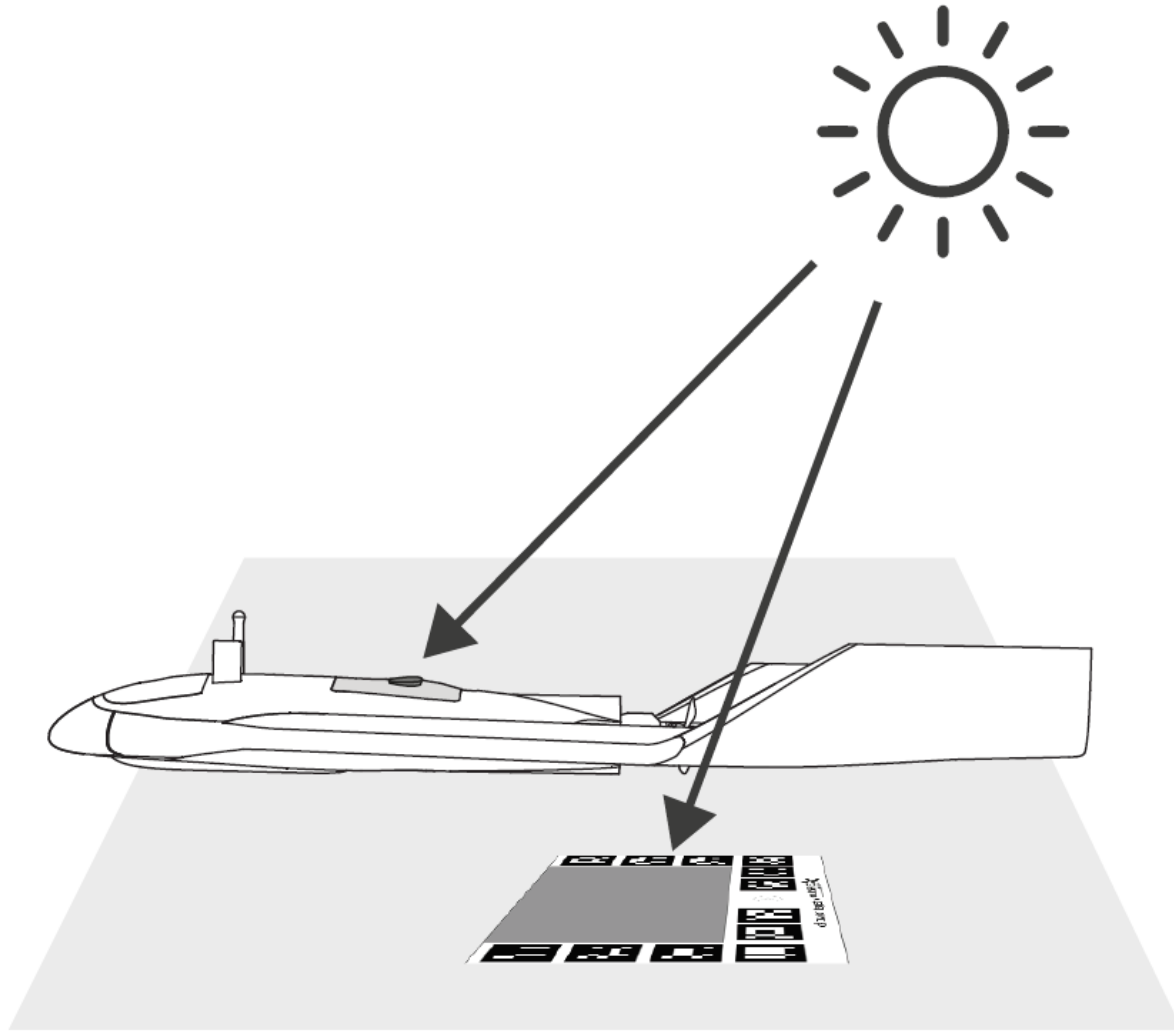


Dimension	59 x 41 x 28 mm
Image size	4x1.2 MPx + 16 MPx
Sensor	global shutter
Outputs	4-page 10-bit TIFF
Weight	72 g +35 g

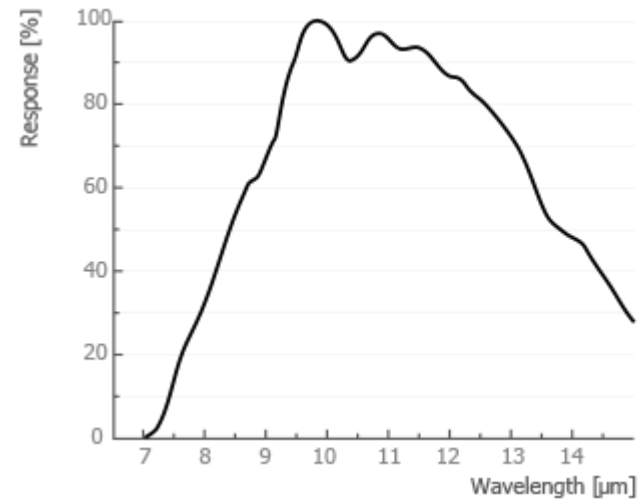




	Full width	Peak wavelength
GREEN	530 – 570	550
RED	640 – 680	660
RED-EDGE	730 – 740	735
NIR	770 – 810	790



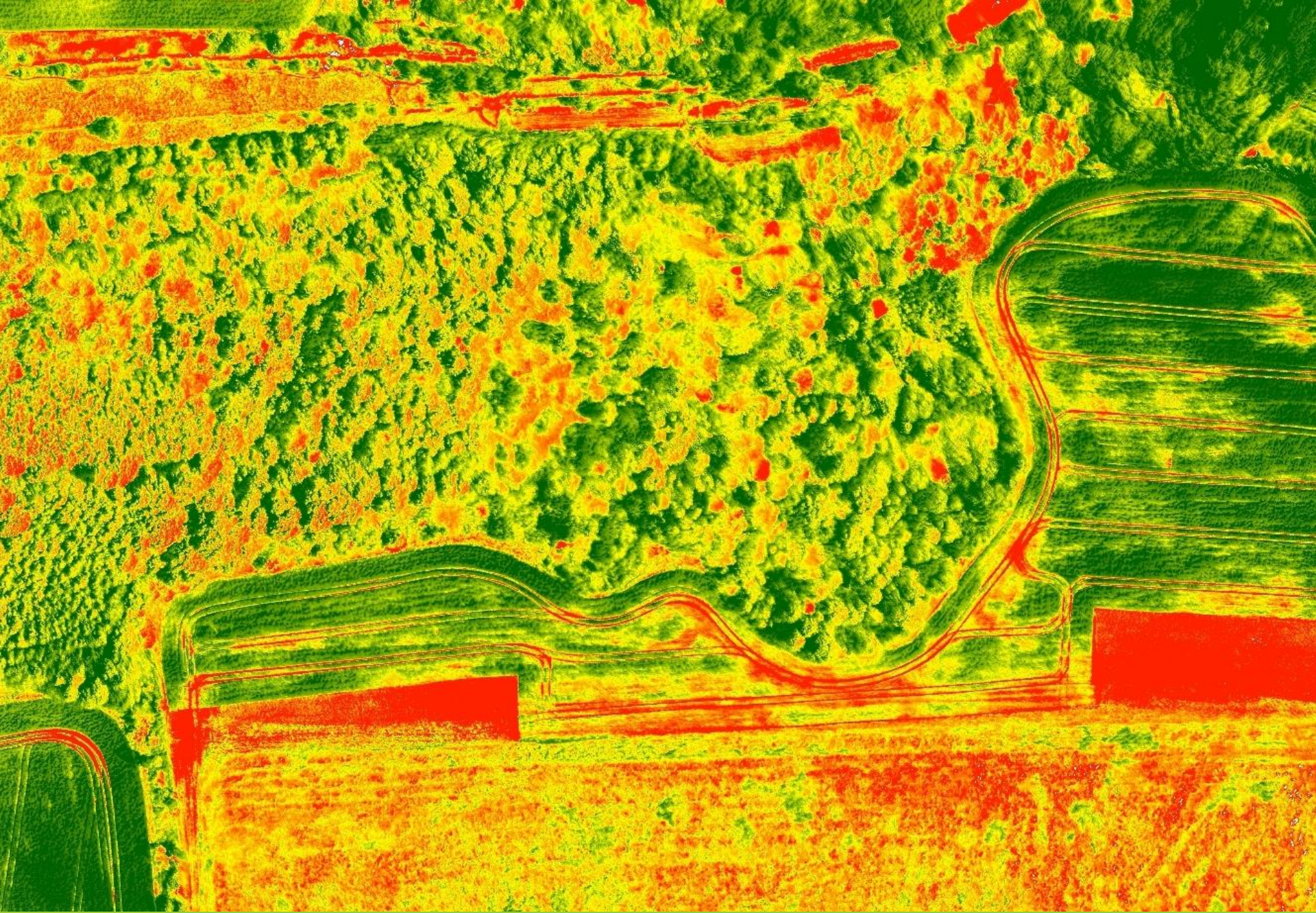
Dimension	78 x 121 x 61 mm
Image size	640 x 512 px
Tem. res.	0.1 °C
Outputs	TIFF, MP4
Weight	134 g

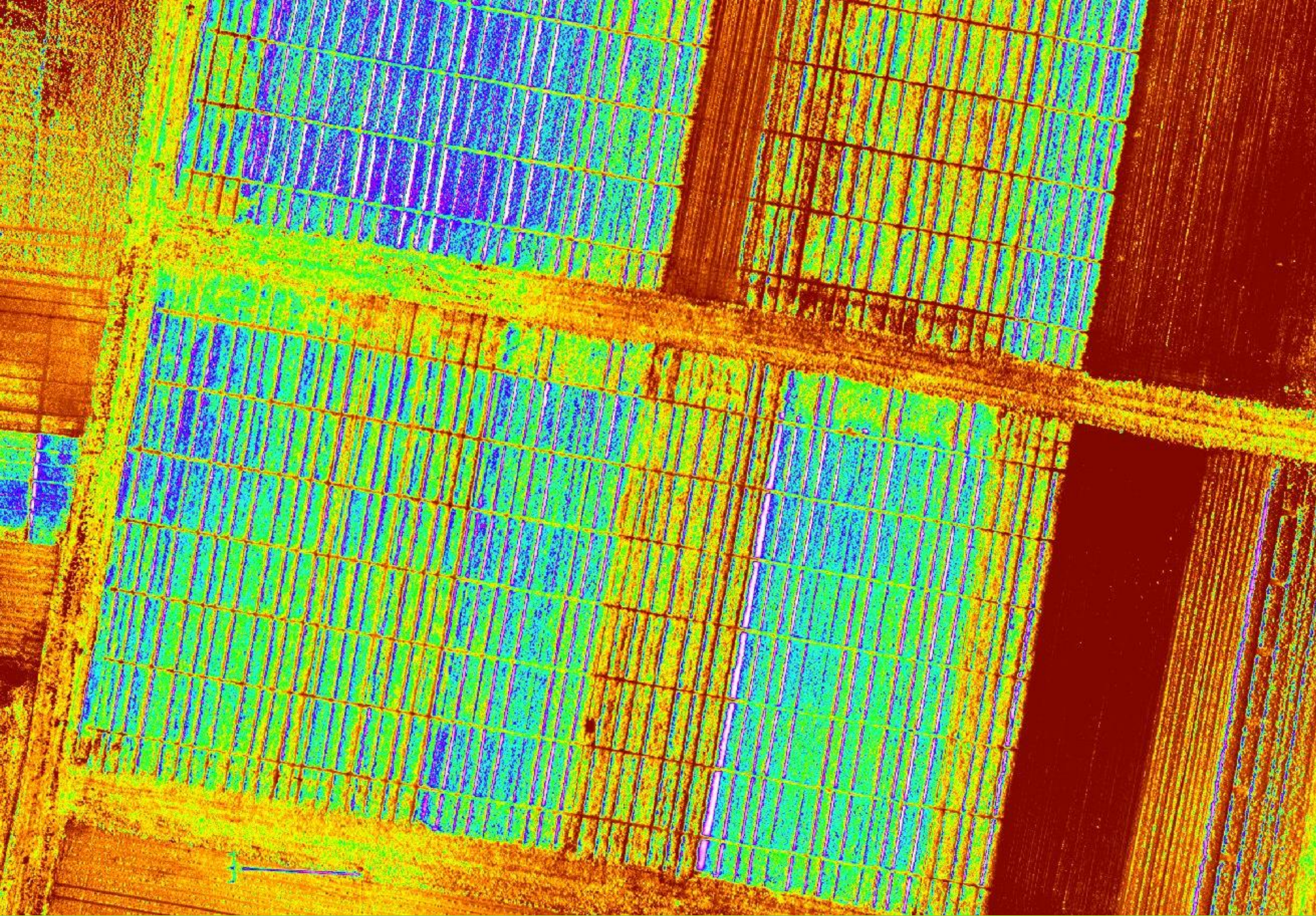


Multispectral images

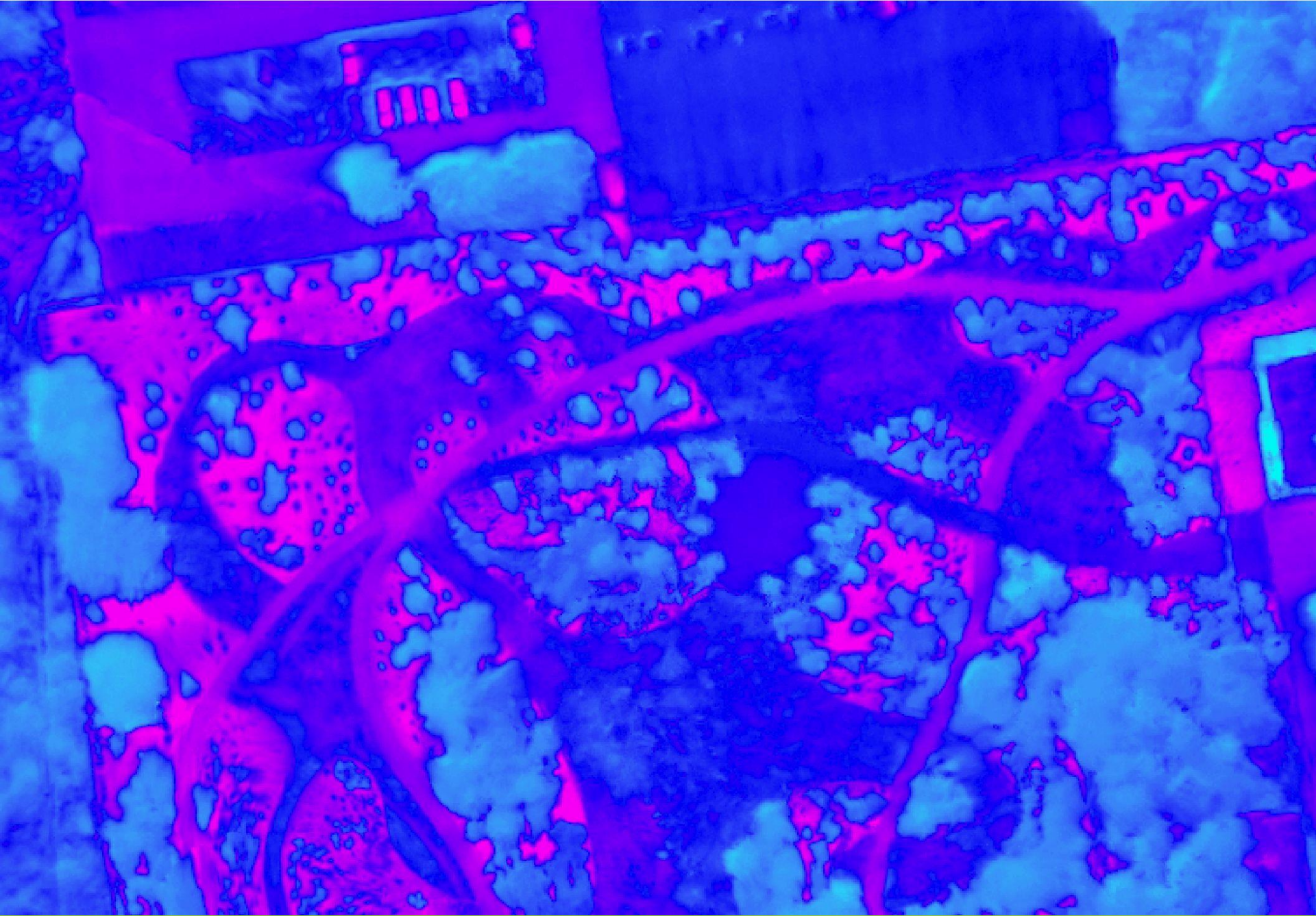


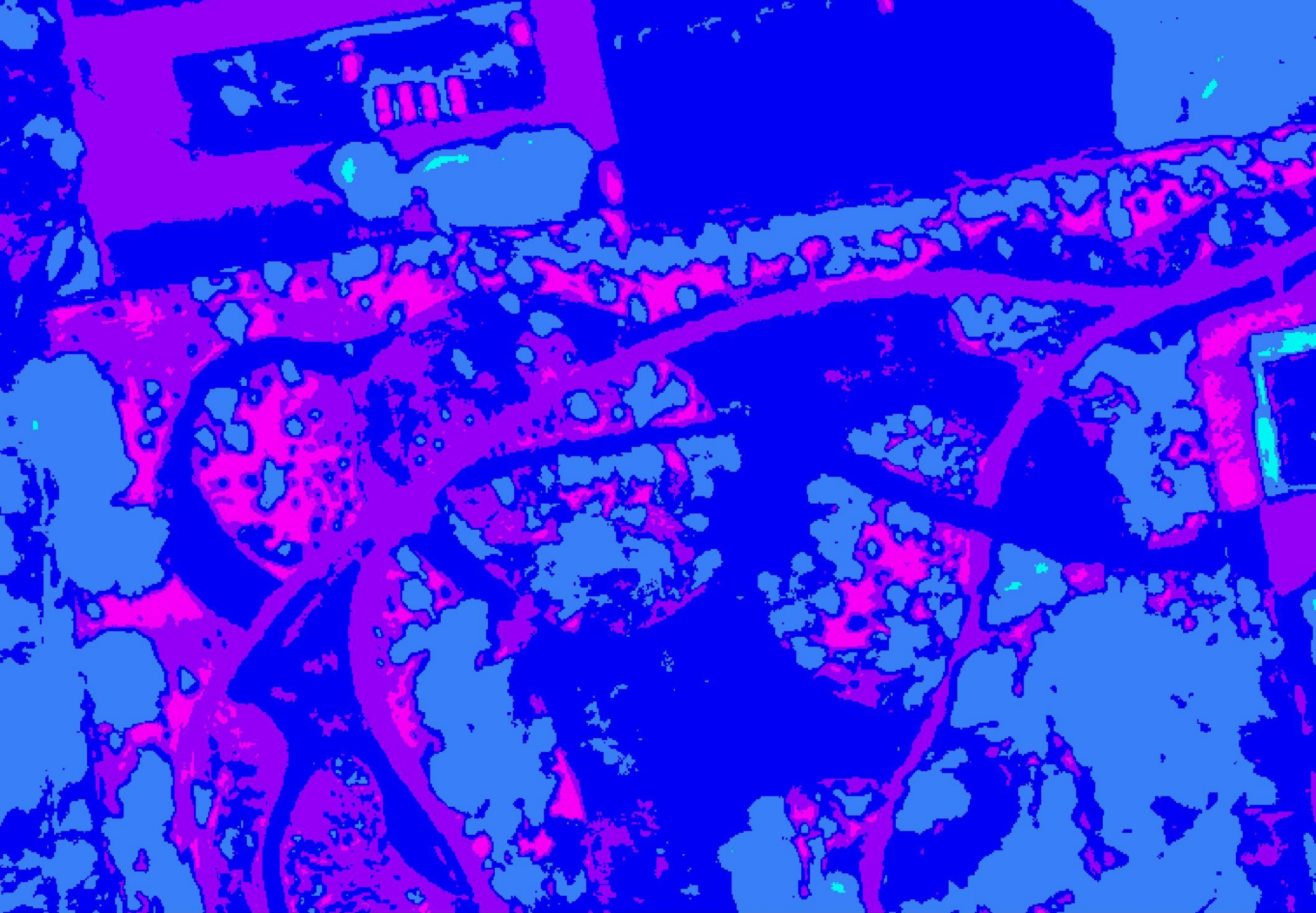


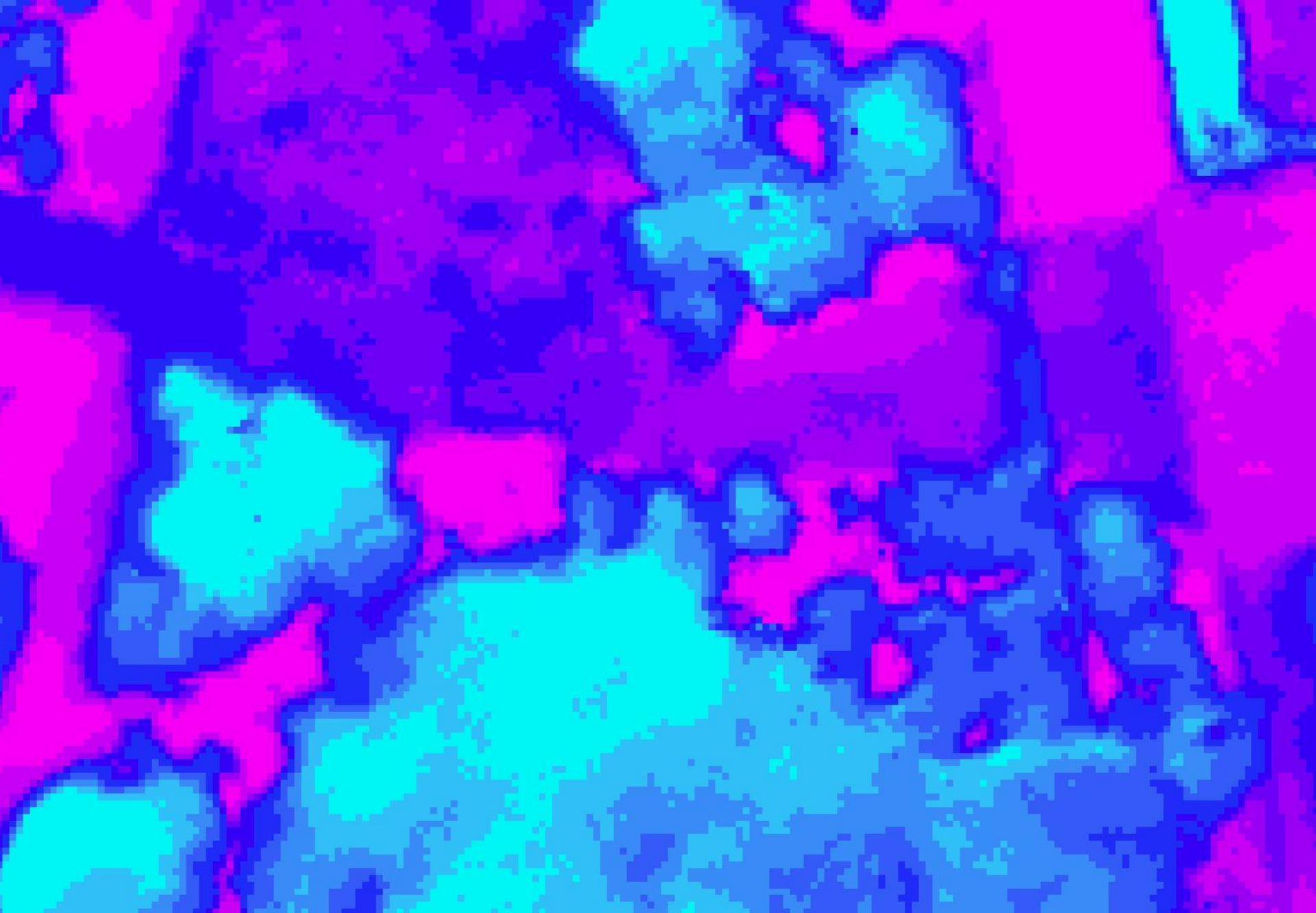




Thermal images









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Thank you for your attention!

[HTTPS://CPZ.CZU.CZ/](https://cpz.czu.cz/)

[HTTPS://FZP.CZU.CZ/](https://fzp.czu.cz/)

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