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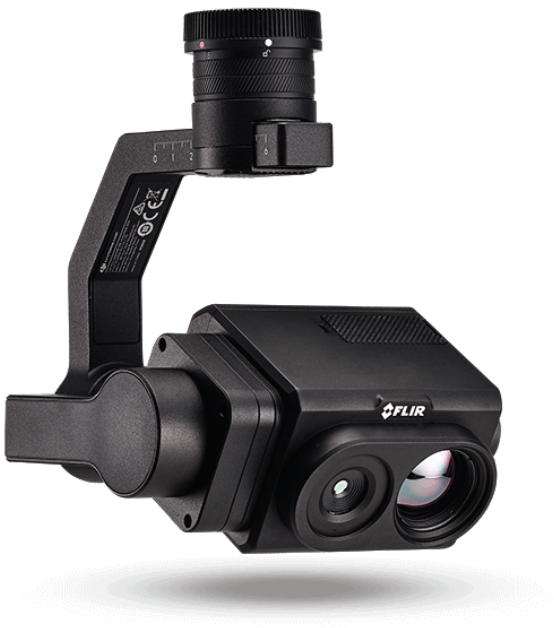

High Resolution, Radiometric Gimbaled
Thermal Zoom Drone Payload

FLIR VUE® TZ20-R

Made in the USA, the radiometric VUE TZ20-R thermal-zoom drone payload enables DJI V2 Matrice 200 series and 300 pilots to see and measure thermal details not possible with other leading sUAS aircraft and payloads. The TZ20-R features two FLIR Boson® thermal cameras that put four times more pixels on target at every zoom level versus all competition and offers an unmatched 20x zoom capability. Utility, roofing, solar farm, and other industrial inspectors can zoom into objects of interest, identify them with unmatched clarity, and take and record radiometric temperature measurements, all from a safe standoff distance. Emergency response pilots in search and rescue, law enforcement, firefighting, and public safety can search for and observe in silence while using the thermal zoom to reduce false positives and make critical decisions faster with the affordable VUE TZ20-R. The combination of performance-leading thermal zoom and radiometry enables more efficient missions with faster search, silent surveillance, and safer stand-off inspections.

SEARCH AND INSPECT MORE AREA IN LESS TIME

Unmatched thermal zoom performance and clarity at 5x, 10x, and 20x

- Scan and survey large areas with wide, 95-degree field of view (FOV)
- Zoom in quickly with narrower, 18-degree FOV and additional digital zoom levels
- Use battery power more efficiently

SAFELY AND ACCURATELY MEASURE TEMPERATURE FROM FARTHER AWAY

Dual Bosons provide 4x more radiometric pixels on target at every zoom levels versus all competitors

- Measure accurate thermal detail with 640 x 512 resolution Boson thermal camera modules
- Set isotherms to automatically detect objects of interest
- Utilize zoom to conduct mission at safe standoff distance

READY TO FLY AND MEASURE

Plug and play with DJI Matrice 300, DJI V2 Matrice 200 series, and post-process reporting software

- Connect with Skyport V2.0 gimbal
- Use in-app thermal features and record on dual microSD cards
- Analyze thermal data in FLIR Thermal Studio and third-party applications

Sensor BV
James Wattlaan 15
5151 DP Drunen
Nederland

+31 (0)416 - 36 94 73
info@sensorbv.nl
sensorbv.nl

warmtebeeldcamera.nl

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SPECIFICATIONS

Overview	
Dimensions	Payload: 75 x 70 x 55 mm (2.95 x 2.75 x 2.17 in) With gimbal: 128 x 154x 141 mm (5.04 x 6.06 x 5.55 in)
Weight	640 g
Mechanical Interface	Skyport 2.0 connector, X-Port DJI gimbal
Electrical Interface	Skyport 2.0, 13.6V/2A
Array format	2 FLIR Boson 640 x 512
Pixel Pitch	12 µm LWIR
IR Camera Optics	Wide FOV: 95° HFOV, 4.9 mm EFL Narrow FOV: 18° HFOV, 24 mm EFL
Thermal sensitivity	85 mK @ F/1.0
Zoom	5x optical (WFOV/NFOV), 4x digital Effective zoom: 1x (95°), 5x, 10x, 20x (4.5°)
Recording	Still: Radiometric JPEG, JPEG, TIFF Video: MPEG (same as streaming), Radiometric CSQ Multipage TIFF: wide and narrow FOV
Streaming	640 x 512 @ 30 Hz
Storage	2 micro SD cards, 2x64GB included, supports 2x256GB
Ground control	DJI Pilot App
Gimbal	3-axis Pitch: 30° to -120° Yaw: ±320°
Airframe compatibility	DJI V2 Matrice 200-series and Matrice 300
Operatinal & Storage Temperature	-20° to 60°C (-4° to 140°F)
Environmental sealing	IP44

Specifications are subject to change without notice.
For the most up-to-date specs, go to www.flir.com/vue-tz20-r

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