



HIGH RESOLUTION GIMBALIZED DUAL THERMAL ZOOM PAYLOAD

FLIR VUE[®] TZ20

The dual-Boson[®] FLIR Vue TZ20 plug-and-play payload is designed to improve mission success and is fully integrated with the DJI V2 M200-series and M300 airframes. This system provides a wide 95-degree field of view for maximum situational awareness, and a narrow 18-degree field of view to put more pixels on target when needed. With up to 20x zoom capabilities, the FLIR Vue TZ20 allows drone pilots from the public safety and industrial inspection sectors to gain field of view flexibility for improved image detail and magnification to assess situations and make critical decisions.

flir.com/vue-tz20



20X THERMAL ZOOM TO SUPPORT SITUATIONAL AWARENESS

Improve situational awareness with two FOVs and thermal zoom capabilities enables faster time to market.

- Maintain wide field of view to cover large areas in a single flight
- Quickly hone in on target of interest with 2x, 5x, 10x and 20x zoom
- Get more pixels on target instantaneously when needed



HIGH RESOLUTION DUAL FLIR BOSON CAMERAS

Advanced FLIR resolution and image processing

- See crisp detail with two 640 × 512 non-radiometric Boson cameras
- Record clear imagery with the full-featured VGA thermal camera module
- Rely on the quality of FLIR factory-calibrated subassembly



READY TO FLY OUT OF THE BOX

Plug-and-play with industry leading DJI airframes

- Quickly connect with Skyport V2.0 gimbal
- Compatible with DJI V2 M200-series and M300 airframes
- Record in-flight on two included Micro SD cards

SPECIFICATIONS

Overview

Dimensions	Payload: 75 × 70 × 55 mm With gimbal: 128 × 154 × 141 mm
Weight	640 g
Mechanical Interface	Skyport 2.0
Electrical Interface	Skyport 2.0, 13.6 V/4 A
Array format	2 Boson 640 × 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	50 mK @ F/1.0
Zoom	5x optical (WFOV/NFOV), 4x digital Effective zoom: 1x (95°), 2x, 5x, 10x, 20x (4.5°)
Recording	Still: TIFF Video: MPEG (same as streaming)
Streaming	640 × 512 @ 30 Hz
Storage	2 micro SD cards
Ground control	DJI Pilot App
Gimbal	3-axis Pitch: 30° to -120° Yaw: ±320°
Airframe compatibility	DJI V2 Matrice 200-series and Matrice 300
Operational and storage temperature	-20°C to 45°C (-4°F to 113°F)
Tested EMI performance	-20°C to 60°C (-4°F 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

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The World's Sixth Sense®