



High Resolution Thermal Zoom sUAS Payload

VUE® TZ20

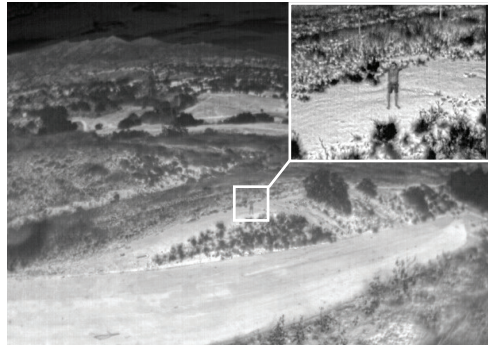
Made in the USA, the VUE TZ20 thermal-zoom payload is designed to improve mission success for drone pilots flying the DJI V2 Matrice 200-series and 300 airframes. Its dual-Boson provides a wide 95-degree field of view for maximum situational awareness and a narrow 18-degree field of view to enable high resolution thermal zoom. The TZ20 puts four times more pixels on target at every zoom level vs. all competitors and offers an unmatched 20x zoom capability. The VUE TZ20 enables expanded search-area S&R missions, law enforcement surveillance in silence, and detailed industrial inspections from a safe stand-off distance. Reduce false positives and make critical decisions faster with the affordable VUE TZ20.



COVER VAST AREAS IN LESS TIME

Zoom in to thermal targets of interest to save valuable flight a battery time

- Quickly hone in on target of interest with 1x, 5x, 10x, and 20x zoom
- Get more pixels on target instantaneously when needed



HIGH RESOLUTION FLIR BOSON CAMERAS

Advanced Teledyne FLIR resolution and image processing

- See crisp detail with two 640 x 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

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

For More Information Visit:
www.teledyneflir.com/vue-tz20

www.teledyneflir.com

Imagery for illustration purposes only. Specifications are subject to change without notice. ©2021 Teledyne FLIR LLC, Inc. All rights reserved.
08/13/2021 REV1

SPECIFICATIONS

Overview	
Dimensions	Payload: 75 x 70 x 55 mm (2.95 x 2.75 x 2.17 in) With gimbal: 128 x 154 x 141 mm (5.04 x 6.06 x 5.55 in)
Weight	640 g
Mechanical Interface	Skyport 2.0
Electrical Interface	Skyport 2.0, 13.6 V/4 A
Array format	2 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°), 2x, 5x, 10x, 20x (4.5°)
Recording	Still: TIFF Video: MPEG (same as streaming)
Streaming	640 x 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
Operating Temperature	-20°C to 45°C (-4°F to 113°F)
Storage Temperature	-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.teledyneflir.com/vue-tz20

SANTA BARBARA
Teledyne FLIR LLC, Inc.
6769 Hollister Ave.
Goleta, CA 93117
PH: +1 805.690.6602

EUROPE
Teledyne FLIR LLC, Inc.
Luxemburgstraat 2
2321 Meer
Belgium
PH: +32 (0) 3665 5106

Equipment described herein is subject to US export regulations and may require a license prior to export. Diversion contrary to US law is prohibited. Imagery for illustration purposes only. Specifications are subject to change without notice. ©2021 Teledyne FLIR LLC, Inc.

Approved for public release. Teledyne FLIR Approved [FLIRGTC-SBA-001]

All rights reserved. Revised 08/13/2021

21-0811-OEM-COR-VUE-TZ20-Data-Sheet-LTR

For More Information Visit:
www.teledyneflir.com/vue-tz20

www.teledyneflir.com