



# THE NEW HIGHLY CUSTOMIZABLE DRONE MATRICE 100

The new **DJI Matrice 100** quadricopter has been designed to be fully customizable to the specific needs of each Professional. Customize your Matrice 100 and become successful in the Photogrammetry, Archaeology, Thermography, Precision Farming, Advertising and Entertainment sectors.



[www.analistgroup.com](http://www.analistgroup.com)



# MATRICE 100



Thermal Imaging Cameras

RGB Visible Light Camera

Multi-spectral Cameras



Choose the most suitable camera for your needs...  
We will do the rest.

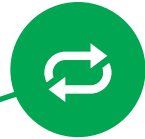
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|---|---|--|
| <ul style="list-style-type: none"> <li>• Matrice 100 ready to fly Drone, tested and calibrated, ready for use;</li> <li>• Up to 40 minutes flight range;</li> <li>• Guide assisted GPS + GLONASS for maximum security and flight stability;</li> <li>• Automatic flight: when leaving controls the</li> </ul> | <ul style="list-style-type: none"> <li>drone maintains its position;</li> <li>• Keeps set altitude thanks to GPS/GLONASS technologies;</li> <li>• Return home and safe landing in the case of emergency;</li> <li>• Intelligent Orientation Control (IOC);</li> </ul> | <ul style="list-style-type: none"> <li>• Real time Video transmission;</li> <li>• Remote controller frame control;</li> <li>• Smart battery;</li> <li>• Software and user manuals included.</li> </ul> |
|---|---|--|



# MATRICE 100 - photo and video



Complete ready-to-fly  
4 engine Drone with  
propellers



Automatic return  
to take off position  
function



40-minute flight time  
(with 2 batteries on board)



Gimbal Image Stabilizer  
for high quality shooting



## Camera Specifications

**Video:** 4K 30fps - 1080P 60 fps  
**Photo resolution:** 12 Megapixel  
**Video Format:** .mp4  
**FOV:** 94°  
**Full 360°** camera Rotation for 360° shooting  
**Focal Length:** 20mm without distortion or  
 fish-eye effect.

12.0  
MEGA  
PIXELS

4K



Camera inclination controlled  
by remote controller and  
SmartPhone



Use your device



Real time Video  
transmission



Gimbal Control



Battery level



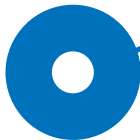
# MATRICE 100 + TAU 2



Complete ready-to-fly  
4 engine Drone with  
propellers



GPS and GLONASS  
assistance



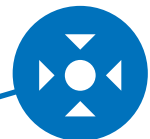
Micro DVR for thermographic  
video recording



Automatic return to take off  
position function



Up to 40 minutes  
battery life



2-axis Gimbal  
Image Stabilizer



Remote controller  
frame control

## Thermal Camera Specifications

**Video Resolution:** 336 × 256  
**Spectral Range:** 7.5 - 13.5 μm  
**Sensitivity (NEΔT):** <50 mK f/1.0  
**Temperature Range:** -40°C +550°C  
**Lens:** 9 mm  
**Digital Zoom:** 2x, 4x  
**USB Configuration**



Use your device



Real time Video  
transmission



Gimbal Control



Battery level

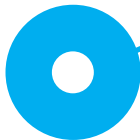
# MATRICE 100 + FLIR VUE



Complete ready-to-fly  
4 engine Drone with  
propellers



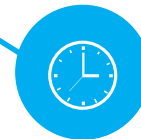
GPS and GLONASS  
assistance



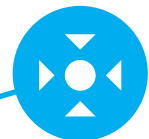
Micro DVR for thermographic  
video recording



Automatic return to take off  
position function



Up to 40 minutes  
battery life



2-axis Gimbal  
Image Stabilizer



Remote controller  
frame control

## Thermal Camera Specifications

**Video Resolution:** 336 × 256

**Spectral Range:** 7.5 - 13.5 μm

**Operation:** -20°C + 50°C

**Lens:** 9 mm

**USB Configuration**



Use your device



Real time Video  
transmission



Gimbal Control



Battery level



# MATRICE 100 + TETRACAM



Complete ready-to-fly  
4 engine Drone with  
propellers



GPS and GLONASS  
assistance



Micro SD Multi-Spectral  
video recording



Automatic return to take off  
position function



Up to 40 minutes  
battery life



2-axis Gimbal Image  
Stabilizer



Remote controller  
frame control

## Multi-spectral Camera Specifications

**Resolution:** 1.3 MegaPixel Multi-spectral  
1280 x 1024 pixels

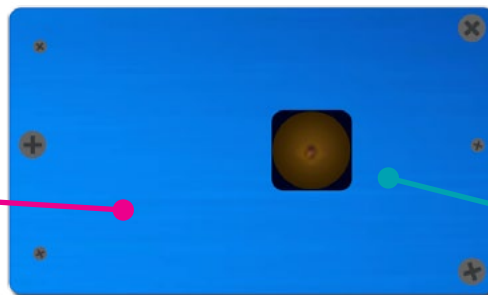
**Multi-spectral bands:** Fixed Green, Red,  
NIR (equivalent to a Landsat TM2, TM3, TM4)

**Focal Length:** 8.43 mm fixed

**Memory:** 16 GB Micro SD Card

**Shutter:** Global Shutter

**Software included:** PixelWrench2



Use your device



Real time Video  
transmission



Gimbal Control



Battery level





# MATRICE 100 + MAPIR



Complete ready-to-fly  
4 engine Drone with  
propellers



GPS and GLONASS  
assistance



Micro SD Multi-Spectral video  
recording




Automatic return to take off  
position function



Up to 40 minutes  
battery life

**Cameras Specifications**  
**Resolution:** 12 MegaPixel  
 (4032 x 3024 px - 24 bit JPG)  
**Features:** 60° HFOV (31mm), f/2.8  
 Aperture, Non-Fisheye  
**Memory:** Micro SD (up to 32GB) ≈  
 8.400 Photos




RGB Visible Light



NDVI Blue + NIR



Infrared



Red Light



Green Light



Blue Light



Use your device



Real time Video  
transmission



Gimbal Control



Battery level

# MATRICE 100 AGROWING



Complete ready-to-fly 4 engine Drone with propellers



GPS and GLONASS assistance



Automatic return to take off position function



Micro SD Multi-Spectral video and image recording



Up to 40 minutes battery life



## Camera Specifications

**Mount:** Sony E-Mount

**Sensor:** APS-C

**Type:** Dual Lens single mount

**Resolution:** 8,5 MP (3550x2400 pixels) per color channel

**Effective Focal Length:** 25 mm

**Weight:** 350 gr.

**Field of View:** Diagonal 45,9° - Horizontal 35° - Vertical 26,6°



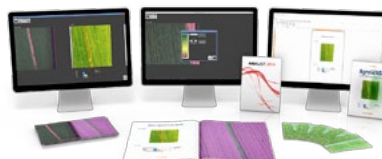
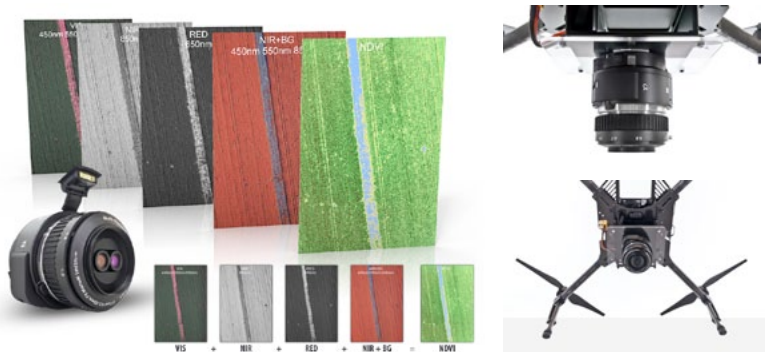
Use your device



Gimbal Control



Battery Level



Our Solution includes Analist 2016 CLOUD software with the AgroSENSE module. AgroSENSE responds to the need for immediate feedback from the field. The response is immediate for the farmer to take action. AgroSENSE provides the NDVI index and automatically generates the Professional Report with a grid with the information on: the analyzed zones, suspicious situations together with the identification of the problematic areas. It is colour coded, clear, simple and immediate.

<http://www.analistgroup.com/en/drone-applications/agrosense-precision-farming>