



# KEY COMPONENTS AND FEATURES

Terraview, Inc. is a US company incorporated in the State of Virginia. The RangePro X8P is engineered in California and manufactured in Maryland.

The RangePro X8P has no transmission subcomponents made in China or direct on-board radio internet connectivity/cloud capability.

## MAJOR SUBCOMPONENTS COUNTRY OF ORIGIN

- ✓ Flight Control Hardware (Open Source Blue Cube Pixhawk 2.1) - USA
- ✓ Flight Control Software - Open Source PX4/ArduPilot
- ✓ Ground Control Station - USA
  - 4 Radio Chip - Canada - 128-bit AES encrypted (256-bit optional)
- Ground Control Software - Open Source, Mission Planner/ArduPilot
- Drone Radio PCB and Video Encoder - USA
  - 4 Radio Chip - Canada - 256-bit AES encrypted
- ✓ On Board Computer - United Kingdom
- ✓ Gimbal - Vietnam
- ✓ Thermal/RGB Camera (FLIR) - USA
- RGB Zoom Cameras - NextVision, Workswell
- Airframe - American-made Carbon Fiber
- ✓ ESCs - Dumb, No Transmission
- GPS/GNSS (Here+ 2) - Engineered Australia (ProFiCNC), Manufactured Taiwan (Hex Technology)
  - Receiver only, no transmission capability. It provides all vehicle orientation data to the FCS. It does not transmit.
  - Z Components:
    - Processor - France/Italy
    - Compass/Gyro/Accelerometer - USA
    - Barometer - Switzerland
    - V Receiver - Switzerland
- ✓ No direct on-board or Ground Control Station radio (WAP, Cellular) internet connectivity

## FEATURES

- FAA approved strobe lights for night operations
- ✓ X8 design provides extended flight time (55+ minutes) w FLIR Duo Pro R Thermal Imaging and RGB 40X zoom payload
- ✓ Swappable battery solution - no down-time due to complete system recharge requirements
- ✓ Universal gimbal-mount solution to allow for future additional payload integration
- ✓ Foldable design, compact carry case
- X8 design provides redundant and safe flight operations
  - V Motor failure or propeller blade loss (single or dual-opposing arms) allows for the aircraft to remain capable of flight
  - Z Redundant/independent battery power (two sides). Loss of one side still allows aircraft to receive power from operational side
- US based Customer Service
- I-year Warranty with 1 annual maintenance included (see web site for full warranty)

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