Dahua Drone for Industry Application
**AIRCRAFT & CONTROLLER**

**X1550**
- Ultra light carbon fiber material
- Diagonal wheelbase: 1550mm
- Flight time: 60mins
- Operating radius: 10km
- Working Environment: -20 ~ 60 °C / Less than 95% RH
- Frame Arm: Pluggable structure
- Landing Gear: Quick demount
- Frame Weight: 9.3kg
- Max. Takeoff Weight: 21.6kg
- Positioning Module: GPS, BEIDOU, GLONASS triple-mode
- Propeller: Quick demount
- Hover Accuracy: Pan: ±0.2m, Tilt: ±0.5m
- Flight Control: Various flight modes, one-key landing, low-battery protection, auto-return, preset no-fly zone, electronic fence

**X820**
- Ultra light carbon fiber material
- Diagonal wheelbase: 940mm
- Flight time: 38mins
- Operating radius: 10km
- Working Environment: -20 ~ 60 °C / Less than 95% RH
- Frame Arm: Foldable
- Landing Gear: Remote control
- Frame Weight: 3.3kg
- Max. Takeoff Weight: 10.0kg
- Positioning Module: GPS, BEIDOU, GLONASS triple-mode
- Propeller: Quick demount
- Hover Accuracy: Pan: ±0.2m, Tilt: ±0.5m
- Flight Control: Various flight modes, one-key landing, low-battery protection, auto-return, preset no-fly zone, electronic fence

**Remote Controller**
- Integrated display & control design
- Built-in 7" anti-dazzle touch screen
- Remote distance about 5km
- Real-time switch between video and map

**PC Ground Station**
- Image/data transmission distance: 10km
- IP65, seismic/shock resistant, wide temperature
- Professional ground station system

**PAYLOAD (OPTIONAL)**

**6MP PTZ Camera**
- Sensor: 1/1.9" CMOS
- Resolution: 2592*2592
- FOV-H: 61.2°~2.1°
- Encoding: H.265/H.264/MJPEG
- Aperature: F1.5~F4.3
- Lens: 6~180mm
- Optical Zoom: 30x
- Digital Zoom: 16x
- S/N Ratio: More than 55dB
- Min illumination: Color: 0.01Lux@F1.5, B/W: 0.001Lux@F1.5
- Storage: Micro SD card 128G
- Pan/Tilt: Pan:±168°, Tilt: -90°~45°
- Accuracy: ±0.01°

**Thermal Camera**
- Thermal Pixel: 640*512
- Encoding: H.264/MJPEG
- Pixel Size: 17μm
- Spectral Range: 7.5~13.5μm
- Thermal Sensitivity: ≤40mK
- Focal Length: 19mm
- Distance Man(1.8m*0.5m): D:640m, R:160m, I:80m
- Distance Car(2.3m*2.3m): D:2000m, R:500m, I:250m
- Measurement Range: Low Gain: -40°C~+160°C, High Gain: -40°C~+550°C
- Temperature accuracy: ±2°C
- Storage: Micro SD card 128G
- Pan/Tilt: Pan:±168°, Tilt: -90°~45°
- Accuracy: ±0.01°

**Live broadcasting**
- Resolution: 1920*1080
- Optical Zoom: 12x
- Digital Zoom: 16x
- Encoding: H.264/MJPEG
- FOV-H: 58.2°~2.1°
- Aperature: F1.5~F4.3
- S/N Ratio: More than 55dB
- Speaker Power: 12W
- Effective Distance: ≥100m
- Storage: Micro SD card 128G
- Easy Installation: Support
SAFETY PROTECTION

Redundant Navigation System
Adopt GPS, BEIDOU and GLONASS mode, enhance applicable scenarios.

Fault-tolerant Protection

Military-level Device
High precision sensor, wider working temperature, higher reliability.

Smart Battery
Special smart battery, over charge and discharge protection, power display and anti-misoperation design.

Smart Return
Smart return when lost or low-battery, guarantee safe return during emergency.

Wireless Data Encryption
Dual-channel of image/data transmission and remote, changable secret key, impossible to be cracked.

High-strength Composites
Adopt top carbon fibre composite, lighter and stronger.

Extreme Environment
Pass ALT, high/low temperature, vibration, protection test and etc., adapt to various complicated environments.

APPLICATION

Emergency Rescue
Forest Fire Prevention
Naval Base
Energy Pipeline Patrol

Border Patrol
Traffic Detection
Grid Detection
Security Protection

* Design and specifications are subject to change without notice.

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