

DHI-UAV-GA-V-2012TCS

Live Broadcasting Throwing Camera



- Max. acoustic pressure: 125dB
- Two Hooks
- Each of the Hooks can be controlled independently.
- 1/2.8" STARVIS™ CMOS
- Powerful 12x Optical Zoom
- Support Defog
- Support Flight Platform: X820, X1100, X1550

System Overview

The payload is the soul of the drone. Thanks to the variety choices of payloads, drones can be used in different industries. This payload can be mounted on multiple drones, such as X820, X1100, X1550. This payload is integrated with a 2MP HD camera and two hooks for casting. The integrated camera can be used to accurate throw of relief supplies.

Functions

Reduce Vibration Design

The shock absorber board and shock absorber ball work together to guarantee PTZ camera stability and get clearer video.

Speaker

Audio signal of load speaker payload is based on digital signal wireless transmission which can make sure long distance transmission and clear voice.

Throwing

Each of the Hooks can be controlled independently. The metal digital steering gear is used for casting device. Each hook can be stably mounted up to 5 Kg emergency supplies or medicines, two hooks can mount totally 10Kg.

Quick Assembly and Disassembly

This Payload adopts quick mounting and dismounting structure, Installation screws are secured on the shock absorber plate, in order to keep them fixed.

Technical Specification(Payload)

Visual Light Parameter

| | |
|--------------------------|--|
| Sensor | 1/2.8" STARVIS™ CMOS |
| Max. Image Resolution | 1920(H)x1080(V), 2 Megapixels |
| Min. Illumination | Cor:0.0038Lux@F1.6 B/W:0.0037Lux@F1.6 |
| Noise Reduction | 2D/3D |
| Defog | Support |
| Electronic Shutter Speed | 1/1s~1/30,000s |
| Focal Length | 5.3mm~64mm |
| Digital Zoom | 16X |
| Optical zoom | 12x |

| | |
|------------------------------|--|
| Angle of View | H: 58.56° ~ 4.94° |
| Max. Aperture | F1.6 ~ F2.8 |
| Frame Rate | Main stream: 1080P/720P/704x480 (1~25/30fps) |
| | Sub stream1: 704x480/352x240(1~25/30fps) |
| | Sub stream2: 704x480/352x240(1~25/30fps) |
| Video Compression | H.265/H.264+/H.264 |
| Storage | Micro SD Card 128G |
| Loudspeaker Parameter | |
| Max. acoustic pressure | 125dB |
| Max. Power | 30W |
| Volum Control | Supported by ground station |
| Frequency | 300Hz-6KHz |
| Sensitivity | 106±3db |
| Throwing Parameter | |
| Max. load weight | 10kg |
| Qty. | 2pcs |
| Release mode | Individual by Remote control |
| PTZ Parameter | |
| Precision | ±0.01° |
| Anti-vibration Axis | 3 Axis |
| Pan/Tilt Range | Pan: ±45°; Tilt: -90° ~ 45° |
| Pan/Tilt Speed | Pan: 130°/s; Tilt: 130°/s |
| Gimbal Dimension | 155.4*309.3*131mm |
| Gimbal Features: | Cruise following |
| Protection Level: | IP54 |
| Working Env. Temp. | -20 ~ 60°C |
| Net Weight | 1421g |