

# DHI-UAV-GA-V-2012TS

Live Broadcasting PTZ Camera



## 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 combined with high definition camera and speaker can be used for high rise building fire rescue, communal unrest management, emergency response to violence incident and traffic management.

## 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.

### 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

- Max. acoustic pressure: 125dB
- 1/2.8" STARVIS™ CMOS
- Powerful 12x Optical Zoom
- Support Defog
- Support Flight Platform: X820, X1100, X1550

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/704×480 (1~25/30fps)
	Sub stream1: 704×480/352×240(1~25/30fps)
	Sub stream2: 704×480/352×240(1~25/30fps)
Video Compression	H.265/H.264+/H.264
Storage	Micro SD Card 128G
<b>Loudspeaker Parameter</b>	
Max. acoustic pressure	125dB
Max. Power	30W
Volum Control	Supported by ground station
Frequency	300Hz-6KHz
Sensitivity	106±3db
<b>PTZ Parameter</b>	
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	131*247.1*229.6mm
Gimbal Features:	Cruise following
Protection Level:	IP54
Working Env. Temp.	-20 ~ 60°C
Net Weight	1167g