

ATLAS—HD

TAMAGAWA SEIKI CO. , LTD.



1. ATLAS-HD OUTLINE

ATLAS-HD is a 5axis gyro-stabilized system with a HD video camera and high magnificant lens for aircraft.

This system component is following.

- (1) GIMBAL : T A 5 3 8 8 N 1 1
5axis gyro-stabilized gimbal
- (2) CONTROL UNIT : T A 5 3 8 8 N 1 2
Gimbal contorol
Power supply to Camera body , Video instrument
- (3) Hand Controller : T A 5 3 8 8 N 1 3
Man-machine interface
- (4) CAMERA BODY, REMOTE CONTROLLER FOR CAMERA
- (5) CABLE



2. CHARACTERISTIC

1. Lens Change Mechanism



User can change lenses with different magnification

2. Made-to-order Operation Unit



Hand Controller can be designed and made to order of user in specification and dimension for best maneuvers.

3. Maintenance Warranty



WE will provide an extended warranty of maintenance for 10 years on request to cope with possible troubles during a long-term usage .



3. SPECIFICATIONS

3.1 OUTLINE - SIZE - MASS

No	NAME	SPECIFICATION		OTHERS
1.1	GIMBAL (42XLENS INSTALLED)	SIZE	Φ 380mm × 493mm (H) LONGEST : 518mm	
		MASS	38Kg	
1.2	GIMBAL (22XLENS INSTALLED)	SIZE	Φ 380mm × 493mm (H) LONGEST : 480mm	
		MASS	35Kg	
2	CONTROLLER	SIZE	160mm (W) × 280mm (H) × 500mm (D)	
		MASS	12Kg	
3	HAND CONTROLLER	SIZE	300mm (W) × 170mm (H) × 57mm (D)	
		MASS	1.5Kg	



3.2 PERFORMANCE

No	項目	諸元	備考
1	CAMERA/LENS	CAMERA : HKC-T1500/HDC1600/T2 (SONY) LENS : HA42 × 13.5BERD、 HA22 × 7.3BERD (FUJINON)	
2	OPERATION RANGE	PAN : 360° CONTINUAS TILT : -120~+20° ROLL : ±35°	
3	MOTION SPEED	PAN/TILT : 50° /s ROLL : 20° /s	
4	MODE	STOW (STORE) /NORMAL (STABILIZE) /PAN HOLD (SPEED HOLD) /VEHICLE SLAVE (HEADING HOLD) /ROLL AUTO (ROLL AUTO STABILIZE)	
5	POWER SUPPLY	22~30.3V (TYP28V)	
6	POWER OUTPUT	+12V (ADJUSTABLE) 25A	
7	CONSUMPTION POWER	150W (TYP) 500W (MAX)	



3.3 ENVIRONMENTAL CONDITION

No	ITEMS	SPECIFICATIONS	OTHERS
1	TEMPERATURE	OPERATION : -20~+40°C STORAGE : -40~+60°C	
2	HIMIDITY	95%	
3	VIBRATION	0.01g ² /Hz	
4	SHOCK	198m/s ² 、 11ms	
5	WATER PROOF	IPX6 (ABROAD)	
6	AIRSPEED	RESISTANCE : 320Km/h PERFORMANCE : 180Km/h	





Lens model: HA42*9.7/HA42*13.5 (Fujinon)



Lens model: HA22*7.3BERD (Fujinon)

