

SPECIFICATION A40T

Hardware Parameter	
Working voltage	12V
Input voltage	3S ~ 6S
Output voltage	5V (connect with PWM)
Dynamic current	1350~1600mA @ 12V
Idle current	1350mA @ 12V
Working environment temp.	-20°C ~ +60°C
Output	micro HDMI(1080P30/60fps)/IP (1080P/720p 30/60fps)
Local-storage	SD card (Up to 128G,class 10, FAT32 or ex FAT format)
Control method	PWM / SBUS / TTL / TCP (IP output version)
Gimbal Spec	
Mechanical Range	Pitch/Tilt: -55°~130°, Roll: ±45°, Yaw/Pan: ±300° / ±360°*N (IP/SDI output version)
Controllable Range	Pitch/Tilt: -45°~90°, Yaw/Pan: ±290° / ±360°*N (IP/SDI output version)
Vibration angle	Pitch/Roll: ±0.02°, Yaw : ±0.02°
One-key to center	√
Camera Spec	
Imager Sensor	1/2.8" Sony CMOS Sensor
Picture quality	Full HD 1080 (1920*1080)
Effective pixel	2.13MP
Photo storage format	JPG(1920*1080 / 1280*720)
Video storage format	MP4 (1080P/720P 25fps/30fps)
Lens optical zoom	40x, F=4.25~170mm
Digital zoom	Off / MAX x2 ~ x32
Min object distance	0.1 / 1.5 / 3.0 / 5.0 / 10.0 m
Angle of View (D, H, V)	Wide: 73.80° / 66.35° / 9.98° Tele: 2.16° / 1.90° / 1.11°
AF Mode	Auto/One Push/Manual
Iris	Close ~ F1.6
Shutter speed	1/1 ~ 1/30,000 sec
Sync system	Internal
S/N ratio	more than 50dB
Min illumination	Color (1/30s, 79.5dB) : 0.01 lux , BW(1/30s, 79.5dB) : 0.002 lux Color DSS(1/1s, 79.5dB) : 0.001 lux , BW DSS(1/1s, 79.5dB) : 0.0002 lux
Exposure control	Auto / Iris. Priority / Shut. Priority / Manual
Gain Control(AGC)	0 ~ 10 steps
White balance	Auto / One Push / Manual / Indoor / Outdoor
Back Light	Off / BLC / HLC / WDR
Defog	Off / Manual / Auto
OSD	Yes

Thermal Imager Spec	
Lens size	19mm
Coating Film	DLC
Horizontal FOV	22.9°
Vertical FOV	18.4°
Diagonal FOV	29°
Detective Distance (Man: 1.8x0.5m)	792 meters
Recognize Distance (Man: 1.8x0.5m)	198 meters
Verified Distance (Man: 1.8x0.5m)	99 meters
Detective Distance (Car: 4.2x1.8m)	2428 meters
Recognize Distance (Car: 4.2x1.8m)	607 meters
Verified Distance (Car: 4.2x1.8m)	303 meters
Working mode	Uncooled long wave (8μm~14μm) thermal imager
Detector pixel	640*512
Pixel size	12μm
Focusing method	Athermal prime lens
NETD	≤50mK (@25°C)
Color palette	White, iron red, pseudo color
Digital zoom	1x ~ 8x
Sync correct time	Yes
EO/IR Camera Object Tracking& EO camera AI Recognition Performance	
Update rate of deviation pixel	30Hz
Output delay of deviation pixel	<30ms
Minimum object contrast	5%
SNR	4
Minimum object size	16*16 pixel
Maximum object size	256*256 pixel
	> 32 pixel/frame
Object memory time	100 frames (4s)
Targets type	Car and human
Simultaneous detection quantity	≥ 10 targets
Min contrast ratio	5%
Min target size	5x5 pixel
Car detection rate	≥85%
False alarm rate	≤10%
Packing Information	
N.W.	1212g(Viewport Version)
Product meas.	118*137.3*207.8mm (Standard Version) 118*137.3*213.5 (Viewport Version)
Accessories	1pc gimbal camera device, screws, copper cylinders, damping balls, damping boards / High quality plastic box with foam cushion
G.W.	2457g
Package meas.	360*300*250mm