

Model No.	A40 Pro
PICS	

Hardware Parameter	
Working voltage	16V
Input voltage	4S ~ 6S
Output voltage	5V (connect with PWM)
Dynamic current	500~1500mA @ 16V
Working environment temp.	-20°C ~ +60°C
Output	micro HDMI(1080P 30fps/60fps) / IP (RTSP/UDP 720p/1080p 30fps)
Local-storage	TF card (Up to 128G, class 10, FAT32 or ex FAT format)
Photo storage format	JPG(1920*1080)
Video storage format	MP4 (1080P 30fps)
Car reading online	HTTP read pictures in TF card
Control method	PWM / TTL / S.BUS / TCP(IP output) / UDP(IP output)
Geotagging	Support, display time and GPS coordinate in picture exif

Gimbal Spec	
Angle range of structure design	Pitch/Tilt:-60°~130°, Roll: ±40°, Yaw/Pan: ±300° / ±360°*N (IP output version)
Angle range of software design	Pitch/Tilt: -45°~125°, Yaw/Pan: ±290° / ±360°*N (IP output version)
Vibration angle	Pitch/Roll/Yaw: ±0.02°
One-key to center	√

EO Camera spec	
Imager Sensor	SONY 1/2.8" CMOS
Picture quality	Full HD 1080 (1920*1080)
Effective pixel	2.13MP
Lens optical zoom	40x, f=4.25mm(wide end)~170mm(tele end), F1.6~F4.95
Digital zoom	32x
Min object distance	0.1 / 1.5 / 3.0 / 5.0 / 10.0 m
Horizontal viewing angle	66.35°(wide end) ~ 1.9°(tele end)
Sync system	Internal
S/N ratio	more than 50dB
Exposure control	Auto, Manual, Priority mode(shutter priority & iris priority)
Focusing system	Auto , One Push, Manual
White balance	Auto, Indoor, Outdoor, One Push , Manual
Shutter speed	1/1s to 1/30,000s
Auto ICR	Yes
Image stabilization	Yes
Progressive scan mode	Yes
Backlight compensation	Yes
Defog	Yes
OSD	Yes

Camera Object Tracking

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
Tracking speed	±48 pixel/frame
Object memory time	100 frames
AI auto-zoom	Yes

EO Camera AI Performance

Targets type	Car and human
Simultaneous detection quantity	≥ 10 targets
Min contrast ratio	5%
Min target size	5×5 pixel
Car detection rate	≥85%
False alarm rate	≤10%

Packing Information

N.W.	1074g(Viewport Version with Viewport)
Product meas.	134.5*118*197.7mm / 134.5*118*203.4mmmm(Viewport Version)
Accessories	1pc gimbal camera device, screws, copper cylinders, damping balls, damping boards, 1pc USB to TTL cable / Hight quality plastic box with foam cushion
G.W.	2646g
Package meas.	360*300*250mm