ESP Camera Boards

	ESP-CAM	TTGO Black	TTGO White	TTGO- SMA
ESP32	ESP32-S	Chips	Wroover	Chips
USB-to-Serial Chip	No	Yes0	Yes	Yes
Battery Management	No	Yes	Yes	No
PSRAM	Yes	Yes	Yes	?
Camera	OV2640	OV2640	OV2640	OV2640
Display	No	1.3"	0.96"	0.91"
Buttons	1	1	2	2
Microphone	No	Yes	Yes	No
Extension pins	8 pins	2 +2 pins	2 pins	2 pins
SD card slot	No	Yes	No	No
Antenna connector	u.fl	u.fl	No	SMA
#define CAMERA_MODEL_	AI_THINKER	TTGO_BLACK	TTGO_WHITE	?
Price	~8 $	~17 $	~17 $	~12 $