

## 2 Megapixel 38 modules TA38A3

Specially designed for HD IPC, easy to install various housing, integrated switching optical filter, image sensor, encoding and transmission. Free client software support for record, preview, playback and Seetong cloud and mobile monitor. Embedded NVR for high stable requirement system. Open SDK support for industry customer's secondary development. Support various network modes:

IPC ----- NVR ----- Seetong Cloud-----Seetong Client  
 IPC ----- NVR ----- Seetong Client  
 IPC ----- Seetong Client  
 IPC ----- NVR ----- Seetong Cloud-----Seetong APP



38 single board, 2MP HDR, low illumination and power consumption and code stream. IR-CUT drive, 3D noise reduction, H.264+ Ambarella solution

Order	Specification	TA38A3 2M 38 module	TA38A3+A 2M HDR 38 module
1	System Structure	Embedded RTOS design, ARM Cortex-A9 (S2LM), pure hardware compression, Watchdog, 8M FLASH, 2G DDR3;	
2	Sensor	2MP 1/3" CMOS, CRA for 0 degrees (recommended for large angle lens), color 1.0Lux@F1.2, B/W 0.1 Lux@F1.2; integrated LED control circuit, integrate IR-CUT drive, support linkage control between sensor & IR-CUT & photosensitive & LED fill light, support day/night switch, IR-CUT (20mm) and lens mount optional (CS/M20/M14/M12);	
3	Video Process	H.264 video coding, support dual stream, AVI format; code stream 200k~10M bps adjustable, support PAL and NTSC.	H.264 video coding, support dual stream, AVI format; code stream 200k~10M bps adjustable, support PAL and NTSC, support HDR.
4	Frame Rate	2MP @25 frames, support 7~25 FPS adjustable	
5	Image Output	Main stream: 1920×1080, 1280×960, 1280×720; Code stream: 704×576, 800×448, 640×480, 640×360, 480×360, 352×288, 320×240;	
6	Audio Interface	None	1 channel input optional, level 2Vp-p, impedance: 1kΩ, support pickup input; 1 channel output, impedance: 16Ω, 30mw output power, support headset and amplifier;
7	Audio Process	None	G.711 CODE standard, support dual voice talkback and audio and video synchronization
8	Network Interface	1* RJ45 Ethernet interface, 10/100M self-adaption, 8KV anti-static electric capacity; support RTSP/DHCP/NTP/ONVIF/P2P and so on network protocols, GB/T28181 protocol optional	
9	LED Passive Interface	1* IR LED control input interface, 1* IRCUT interface, support linkage control between IR-CUT and image.	
10	Optional Function	E (POE cable power supply), USB (only support WIFI function), TTL or extend IO or RS232, TF card extend.	

11	Business Function	configure by WEB, OSD(on screen display),real-time video transmission, motion detection and IO alarm linkage ,center prompt and picture pop-up after IO alarm; support remote surveillance client software(Seetong);support mobile monitoring(iPhone, Android), support "Seetong" cloud service;provide complete SDK pack; off-line alarm push and cloud storage functions optional
12	Others	DC12V power input interface,1.3W power consumption, front end power input, light protection,anti-static,anti-inverse connect, support 18V turn off voltage protection; size :38×38×9mm, net weight 9.3g,38 size single structure

Remark:5 megapixel =2592×1920, 4 megapixel =2560×1440, 3 megapixel =2048×1536, 2 megapixel =1920×1080 or 1600×1200, 1.3 megapixel =1280×960, 1 megapixel =1280×720;