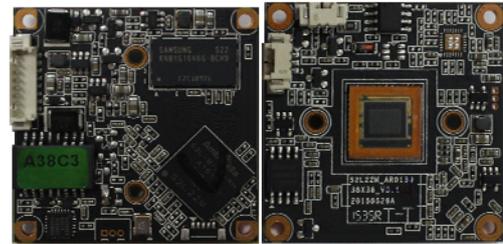# 1.3 Megapixel 38 modules TA38C3

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 NAT traversal and mobile monitor. Embedded NVR for high stable requirement system, TS9064 network attached storage for centralized monitoring system, VM3000 support for remote monitoring. 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, 1.3MP low illumination and power consumption and code stream. IR-CUT drive, 3D noise reduction, H.264+ Ambarella solution

Order	Specification	TA38C3 1.3MP low illumination 38 module
1	System Structure	Embedded RTOS design,ARM Cortex-A9(S2LXXM),pure hardware,watchdog,8M FLASH,1G DDR3;
2	Sensor	1.3MP 1/3″ CMOS,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 and lens mount optional(CS/M20/M14/M12);
3	Video Process	H.264 video coding, support dual stream, AVI format; code stream 100k~10M bps adjustable, support PAL and NTSC.;
4	Frame Rates	1.3MP @30 FPS,support 1~30 FPS adjustable
5	Image output	Main stream:1280×960, 1280×720;
		Sub stream:704×576,640×480,640×360,480×360,352×288,320×240;
6	Audio Interface	1channel input, level 2Vp-p,impedance 1kΩ,support pickup input,1channel outputimpedance16Ω,30mw output power, support headset or amplifier play.
7	Audio Process	G.711 CODEC standard, support dual voice talkback, audio and video synchronization
8	Network Interface	1*RJ45 Ethernet interface,10/100M self-adaption,8KV anti-static electric capacity; support RTSP/FTP/PPPOE/DHCP/DDNS/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	LED Positive Interface	1*photosensitive input interface,1*LED output control interface, integrate positive control circuit, support image sensor IR-CUT,photosensitive,LED fill in light's linkage control; support manual control LED open and close, support sensitivity adjustment critical bright LED repetition switch.
11	Optional Functions	E(POE cable power supply),USB(only support WIFI function),TTL or extend IO or RS232,audio
12	Business	configure by WEB, OSD(on screen display),real-time video transmission, motion

	Functions	detection and IO alarm linkage , center prompt and picture pop-up after IO alarm; support remote surveillance client software(UC2);support mobile monitoring(Iphone, Android),support cross cloud service "P2P"; Provide complete SDK pack; off-line alarm push and cloud storage functions optional.
13	Others	DC12V power input interface,2.2 W power consumption, front end power input, light protection,anti-static,anti-inverse connect, support 18V turn off voltage protection; size :38×38×9mm,8.6g,without housing PCBA,,38 size single structure

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

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