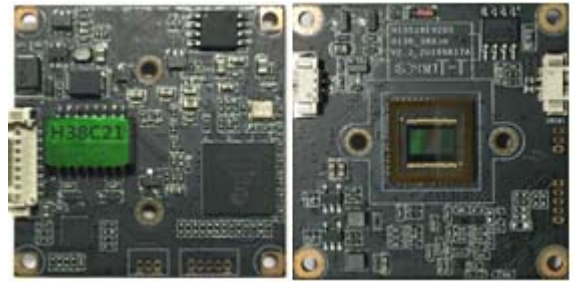


1.3 Megapixel 38 modules TH38C21

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. 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



1.3MP low illumination and power consumption and code stream. global communication, 3D noise reduction, H.264+

Order	Specification	TH38C21	TH38C21+A
		1.3MP low illumination 38 module	1.3MP low illumination 38 module
1	System Structure	Embedded RTOS design, dual core 32 bits DSP (Hi3518EV200), pure hardware compression, watchdog, 8MB FLASH, 64MB built in DDR2;	
2	Sensor	1.3MP 1/3" CMOS (0130C), color 1.0Lux@F1.2, B/W 0.1 Lux@F1.2; 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/M12);	
3	Video Process	H.264 video coding, support dual stream, AVI format; code stream 500~4000kpbs adjustable; support PAL and NTSC	
4	Frame Rates	1.3MP @25FPS, support 7~25 FPS adjustable	
5	Image Output	Main stream: 1280×960, 1280×720;	
		Sub stream: 800×448, 640×480, 640×360, 352×288;	
6	Audio interface	None	1channel input, level 2Vp-p, impedance 1kΩ, support pickup input, 1channel output impedance 16Ω, 30mw output power, support headset or amplifier play
7	Audio Process	None	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/DHCP/NTP/ONVIF 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 Functions	E (POE cable power supply), WIFI or UART.	
11	Business Functions	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.	
12	Others	DC12V power input interface, 950mW power consumption, front end power input, light	

		protection, anti-static, anti-inverse connect, support 18V turn off voltage protection; size :38×38×11mm, net weight 8.6g, without housing PCBA, ,38 size single structure
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Remark: 5 megapixel=2592×1944 or 2592×1920, 4 megapixel=2688×1512 or 2560×1440, 3 megapixel=2048×1536 or 2048×1520 or 2304×1296, 2 megapixel=1920×1080 or 1600×1200, 1.3 megapixel=1280×960, 1 megapixel=1280×720;