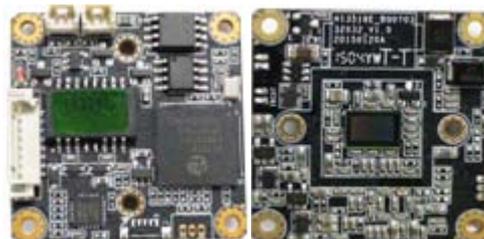TOPSEE

1 Megapixel 32 modules TH32P

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. SDK support for industry customer secondary development. Support various network modes：

IPC —— UC2 Client

IPC ———————————————— NVR ———————————————— UC2 Client

IPC ————————————NVR————————— P2P ————————————————APP Client

32 single board, 1MP, low illumination and power consumption and code stream. IR-CUT drive, 3D noise reduction, H.264

Order	Specification	TH32P 1MP Single 32 Module
1	System Structure	Embedded RTOS design RTOS, dual core 32 Bits DSP(Hi3518E) , pure hardware, watchdog, 8M FLASH, 64M built-in DDR2;
2	Sensor	1MP 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(M14/M12);
3	Video Process	video coding, support dual stream, AVI format; code stream :500K~3M bps adjustable, default 2.5M bps;;
4	Frame Rates	1MP@ 20 FPS, support 12~20 FPS adjustable
5	Image output	Main stream:1280×960, 1280×720; Sub stream:640×360, 480×360, 352×288, 320×240, 352×192, 320×192, 288×192, 256×192;
6	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
7	LED & IRCUT	1* IR LED control input interface, 1*IRCUT interface, support control between IR-CUT and image linkage
8	Audio Interface	1channel input, level 2Vp-p, impedance:1k Ω , support pickup input;1channel output, impedance:16Ω, 30mw output power, support headset or amplifier play.
9	Audio Process	G.711 CODEC standard, support dual voice talkback, audio and video synchronization
10	Optional Functions	E(POE cable power supply), audio or USB(only support WIFI function);
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(UC2);support mobile monitoring(IPhone, Android), support cross cloud service "P2P" ; Provide complete SDK pack; off-line alarm push and cloud storage functions optional.
12	Others	DC12V power input interface, 1.5W power consumption, front end power input, light protection, anti-static, anti-inverse connect, support 18V turn off voltage

		protection;32×32×9mm,about 6g, without housing PCBA,,32 size single structure

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