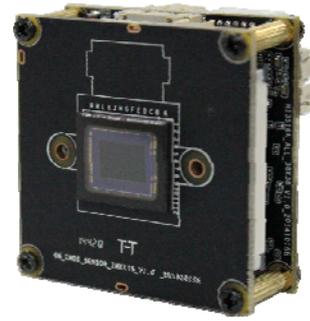


## 2MP H.265 Super WDR 38 Modules TH38U5

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 ----- UC Client  
 IPC ----- NVR ----- UC Client  
 IPC -----NVR----- P2P -----APP Client



38 board, 2MP super WDR, low illumination and power consumption and code stream. IR-CUT drive, 3D noise reduction, H.264/H.265 solution

Order	Specification	TH38U5_2MP H.265 Super WDR 38 Modules
1	System Structure	Embedded RTOS design, dual core 32 bits DSP(HI3516A), pure hardware compression, watchdog, 16M FLASH, 8G bit DDR3;
2	Sensor	2MP SONY 1/3" CMOS sensor, low illumination, color 0.1Lux@F1.1, B/W0.01 Lux@F1.1; 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/M20M14/M12);
3	Video Process	H.264/H.265 video Codec, support dual stream, AVI format; support code stream 500k~8M bps adjustable, support PAL and NTSC
4	Frame Rates	2MP@60FPS, support 1~60FPS adjustable
5	Image Output	Main stream:1920×1080, 1280×720; Sub stream:704×576, 640×480, 640×360, 480×360, 352×288, 320×240, 352×192, 320×192, 288×192, 256×192;
6	Audio Interface	1channel input, level:2Vp-p, Impedance:1k Ω , support pickup input; 1channel output, impedance16Ω, 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	USB Interface	1*USB interface, maximum capacity:64G, support front-end storage, support WIFI/3G extend
10	TF Interface	1*TF/SD storage extension interface, need match SD storage socket
11	Auto Iris Interface	1* AUTO IRIS Interface, support DC drive auto Iris lens
12	LED Passive Interface	1* IR LED control input interface, 1*IRCUT interface, support linkage control between IR-CUT and image.
13	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.
14	PTZ Interface	Optional :1*UART interface, support PELCO and so on PTZ lens control protocols
15	Alarm	1channel switch input, support back end linage between alarm and record; 1channel

	Interface	on-off output, support sound and light alarm.
16	Optional Functions	-W(High Power WiFi),-E(POE cable power supply),-3C(EVDO wireless),-3G(WCDMA wireless); zoom and auto focus
17	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
18	Others	DC12V power input interfac,3W power consumption, front end power input, light protection,anti-static,anti-inverse connect, support 18V turn off voltage protection; size :38×38×18mm,about 20g, 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;