

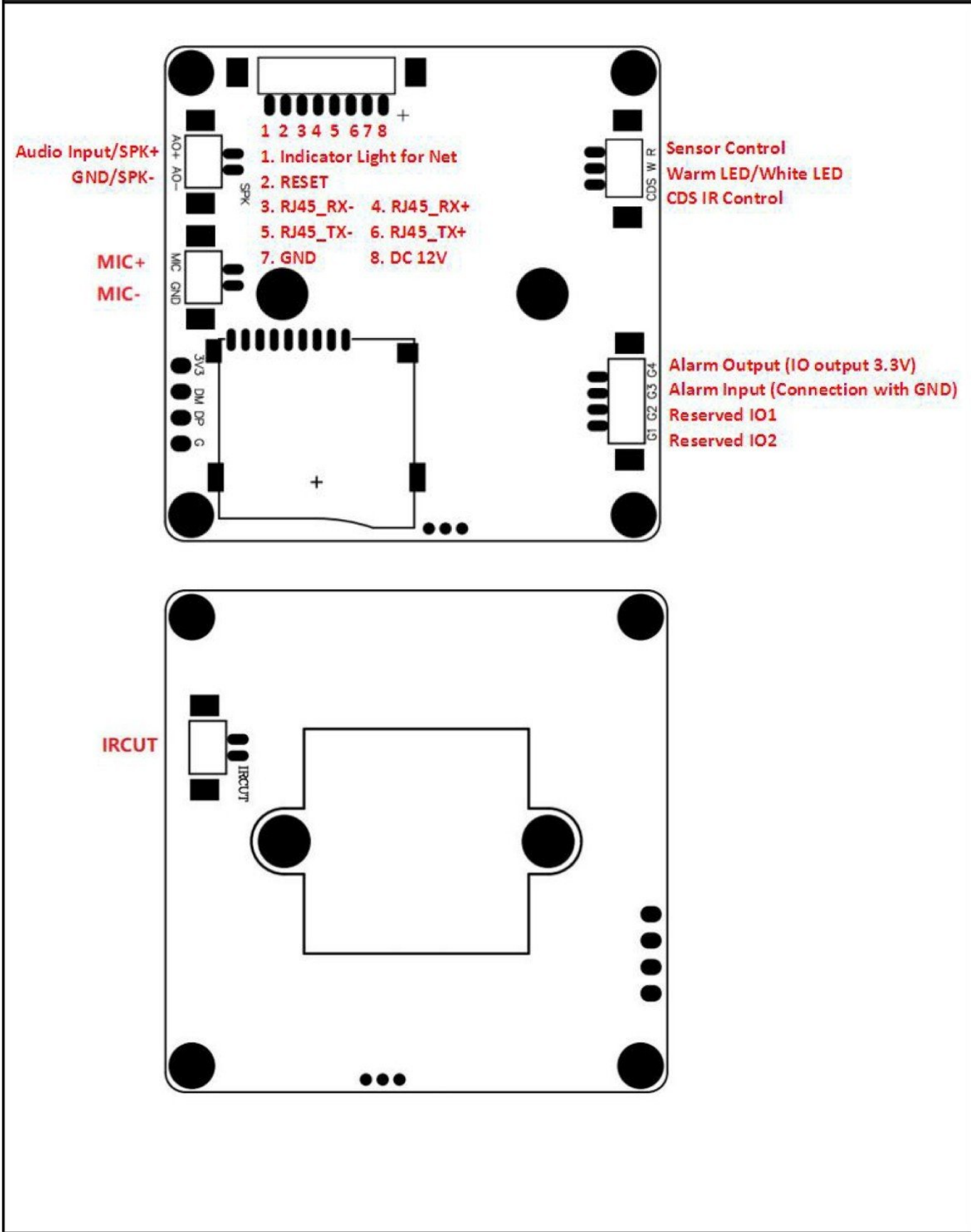
1/3" GC5053 LOW CMOS SENSOR WITH FH8852V200 DSP, single layer with 38mm*38mm; support IR LED, white led, warm led; H.265+H.264 video coding, Support body detection and mark human frame, Main stream is 2592*1944, Sub stream is D1, Enabled with ONVIF protocol and All Net Connect.



Model No.	F12(FH8852V200+GC5053 POE) Dark Light	
Hardware		
Module	FH8852V200+1/3" GC5053	
LUX	COLOR 0.05Lux@F1.2; B/W 0.005Lux@F1.2;	
S/N	≥50db(AGC OFF)	
WDR	DWDR; >80db	
Port		
Audio Input	1CH MIC Input	
Audio Output	1CH output, Speaker Optional	
IO port	1CH RESET	
SD card	Not support now	
WIFI	NO	
Video Coding		
Coding Format	H.265/H.264	
Resolution	Main Steam	2592*1944, 5-20FPS/S
	Sub steam	2560*1440、2304*1296、1920*1080、1280*720, 5-25 FPS/S
Video Coding Compression	128Kbps-8192bps continuous adjustable	
Image Adjustment	Brightness, contrast, saturation, sharpness	
Subtitle Overlay	Support Channel Name、 Date & Time. 5 groups of characters superposition adjustable	
Data Transmission & Storage		
Data Record	Video, picture	
Storage Method	Cycling Recording, Alarm Recording	
Alarm Transfer	IO output, browser, management software	
Protocol	All Net Connect / ONVIF 2.6	
Mobile	Support IOS ,Android	
Browser	Support IE6.0 and above browser Client Browser	
Temperature	-20°C - +60°C	
Humidity	0% - 90%	
Power	DC12V /POE	
power	1.5W	

size	38* 38*10mm (without lens)
Weight	0.06kg

Connector



4.概要 (Outline)

4.1 应用范围 (Application)

适用于我司向贵司提供的镜头产品(The below datasheet is only suit to YTOT products.)

5 主要参数 (Main Items)

5.1 光学参数规格 (Optical Specifications)

NO.	项目 (Items)	具体规格 (Specification)					
1	F No.	1.0±10%					
2	焦距(Focal-Length)	4.0 ±5%					
3	光学后焦 (Optical Back Focal Length)	3.82±0.2 (in air)					
4	机械后焦 (Mechanical Back Focal Length)	3.72±0.2 (in air)					
5	镜头总长(TTL)	22.34±0.2 (in air)					
6	像面大小 (Image circle)	Φ6.8 (MAX)					
7	镜片构成 (Lens structure)	2G5P (第一枚镜片为塑胶镜片时, 仅可使用酒精擦拭3次) (The first optical lens is plastic lens, could only be wiped with alcohol 3 times)					
8	接口 (Mount)	M12*P0.5					
9	镜头与底座螺纹配合扭力 (Clamp Force)	60-600gf-cm					
10	视场角(FOV)	sensor型号	H(水平)	V(垂直)	D(对角)		
		1/2.7"(16:9)	87.0°	46.2°	103.7°		
		1/2.8"(16:9)	83.5°	44.6°	99.1°		
		1/2.9"(16:9)	80.2°	43.0°	94.7°		
11	光学畸变 (Optical Distortion)	1/2.7"	-36.8%	1/2.8"	-33.8%	1/2.9"	-31.0%
12	相对亮度 (Relative Illumination)	1/2.7"	42%	1/2.8"	44%	1/2.9"	46%
13	最大主光线夹角 (CRA)	1/2.7"	10.5°	1/2.8"	10.1°	1/2.9"	9.7°
14	近摄距 (M.O.D)	2m					
15	解像标准 (Resolution)	分辨率 (Resolution): 2592×1944 (5MP)					
16	芯片倾斜规格 (Tilt tolerance of sensor)	≤5"					
17	重量 (Weight)	/					
18	操作方法 (Operation)	聚焦 (Focus)		手动 (Manual)			
		光圈 (Iris)		固定 (Fixed)			
19	环保&安全 (HSF&Safety)	RoHS					