

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.
8308(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

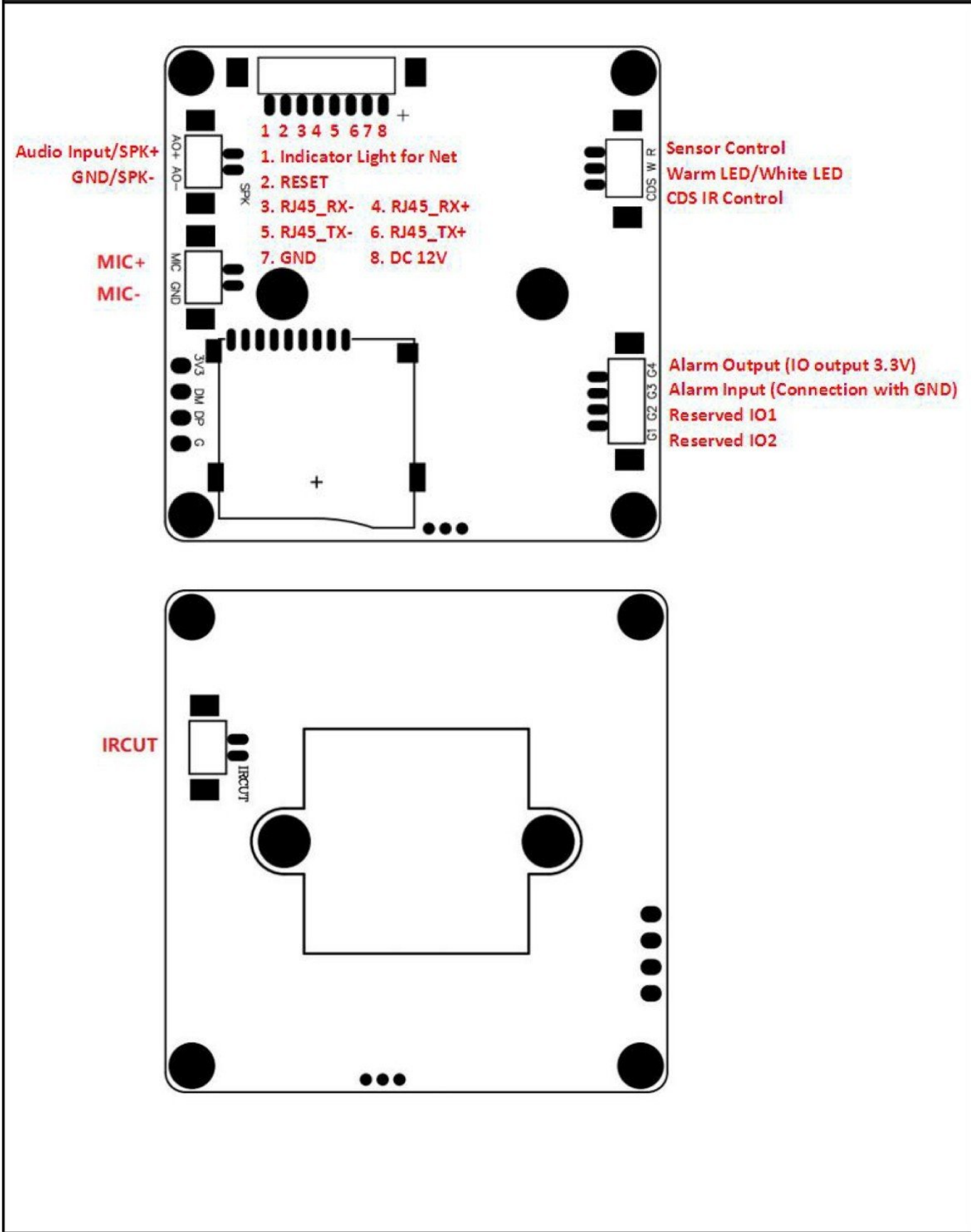
Coding Format	H.265/H.264	
Resolution	Main Stream	2592*1944, 5-20FPS/S
	Sub stream	2560*1440、2304*1296、1920*1080、1280*720, 5-25 FPS/S
Video Coding Compression	128Kbps-8192bps continuous adjustable	
Image Adjustment	Brightness, contrast, saturation, sharpness	
Subtitle Overlay	Support Channel Name、 Date & 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						