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承 认 书

APPROVAL SHEET

客户名称: _____
CUSTOMER

品 名: 双目活体检测摄像头
Binocular in vivo detection camera
PART NAME

规 格: JSK-RB057-V1.0
SPECIFICATION

版 本 号: 第 1 版
VERSION

日 期: 2020-09-17
DATE :

深圳市金视康科技有限公司 Shenzhen golden CIBA Vision Technology Co., Ltd.			客户(CUSTOMER)		
APPROVAL			APPROVAL		
拟制 (DESIGNER)	审核 (CHECKER)	批准 (APPROVER)	拟制 (DESIGNER)	审核 (CHECKER)	批准 (APPROVER)
陈浩					

1. General description:

Through the high-definition wide dynamic image binocular camera, the innovative binocular algorithm is used to calculate high-precision face data, accurately identify and locate some key feature points such as eyes, ears and nose, and calculate various spatial information such as pupil distance, nose height, eye to mouth to ear distance, and the calculation error is less than 1mm. In this way, we can effectively prevent counterfeiting and fraud such as plane photos, photos with different bending degrees, PS and video, accurately detect whether they are "living people" and "real people", and ensure the accuracy of in vivo detection. Compared with most monocular plane vision technologies on the market, it has higher detection accuracy, faster processing speed, less database maintenance and updating. The wide dynamic hard decoding of the camera has a very clear imaging effect in the backlight scene and strong light background, so as to avoid exposure and black face, and overcome the changes of light. The influence of various uncertain factors such as complex background environment on product performance.

•2. Features

- • 1 / 2.7 "industrial grade binocular HD wide dynamic image sensor
- • black and white color, up to 60 frames, no drag
- compliance with USB specifications
- USB 2.0 and 1.1 compliance
- UVC architecture, compatible with Windows XP / 7 / 8.1 / 10 / Vista / seven / MAC linux2.6.2 (include UVC)
- And other systems
- support 1080p, 720p, VGA, QVGA, CIF, QVGA and QCIF format output.
- support wide dynamic, wide dynamic range 100dB
- auto exposure (exposure) Automatic white balance (AWB) • automatic flicker correction.
- color correction γ Correction • dark compensation. • Automatic edge enhancement. • Color correction.
- γ correcting
- Dark compensation. Automatic edge enhancement.

3. Specifications

Signal	2M B/W	2M HDR	REMARKS
Scanning System (扫描方式)	Progressive scan		
Scanning Frequency(H) (扫描频率)	30HZ	30HZ	
Scanning Frequency(V)	50HZ	50HZ	
Image Sensor (图像感光片)	1/2.7" CMOS	1/2.7" CMOS	HM
Effective Pixels (有效像素)	1920X1080	1920X1080	
Pixel size (像素点大小)	3.0umX3.0um	3.0umx3.0um	
Image sensor Data output (数据输出类型)	Raw Data 10bits		
Video output (输出格式)	MJPG/YUY2		
Maximum Frame Rates (B/W) (分辨率和帧率)	1920x1080 at 30fps 1280x960 at 30fps 1280x720 at 30fps 1024x768 at 30fps 800x600 at 30fps 640x480 at 30 fps 352x288 at 30fps 320x240 at 30fps 160x120 at 30fps	1920x1080 at 5fps 1280x960 at 5fps 1280x720 at 10fps 1024x768 at 10fps 800x600 at 20fps 640x480 at 30 fps 352x288 at 30fps 320x240 at 30fps 160x120 at 30fps	MJPG
Maximum Frame Rates (HDR) (分辨率和帧率)	1920x1080 at 30fps 1280x960 at 30fps 1280x720 at 30fps 1024x768 at 30fps 800x600 at 30fps 640x480 at 30 fps 352x288 at 30fps 320x240 at 30fps 160x120 at 30fps	1920x1080 at 5fps 1280x960 at 5fps 1280x720 at 10fps 1024x768 at 10fps 800x600 at 20fps 640x480 at 30 fps 352x288 at 30fps 320x240 at 30fps 160x120 at 30fps	YUY2
SNR max (信噪比)	≥41dB	≥41dB	
Dynamic range (动态范围)	≥90dB	≥90dB	
Min. Illumination (最低照度)	≥0.01LUX at F1.2	≥0.1LUX at F1.2	NO LED
Digital interface (连接接口)	4-pin 1.25mm USB2.0		
Transfer rates (接口速度)	480Mb/S		
Power requirements (电源)	5V±5%		
Power Consumption (功率)	NO LED	Max 0.6W	Max 1W
	IR-LED	Max 1.5W	

IR-LED Wavelength(红外灯光谱)	850nm	
Dimensions(PCBA) (PCBA 尺寸) mm	76*16*10.5 ± 0.3	
Operating temperature (°C) (稳定工作温度)	-20~65 °C	
Storage temperature(°C) (储存温度&湿度)	-10~70 °C/0~90RH	
Compliance (产品标准)	USB-IF WHQL CE RoHS	
Lens Mount (可搭配镜头类型)	3.6MM/4.7MM/6MM	
Lens view (默认镜头)	M8	
The shutter type快门类型	Electronic rolling shutter	
angle of view 视角	76°	
Aperture光圈	2.4	
AEC /增益/白平衡	Auto	
Focusing on distance 聚焦距离	Fixed 50-150cm	

4. Pin definition

Warranty(质保期)	1.8 years			
OS (支持系统)	Windows XP/7/8.1/10/vista/seven/Mac linux2.6.2(include UVC)			
USB CONN (USB 接口定义)	1	5V	USB POWER	500mA max
	2	DM	-	D-
	3	DP	-	D+
	4	GND	-	DGND
	5	GND	-	DGND

5.Module mechanical drawing







