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MCY-1360 Datasheet 360-degree Camera Module

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Revision History

Date	Rev.	Contents
2021/1/18	V1.0	First release



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1. General Description

The MCY-1360A-J1-T90 is an USB Video Class (UVC) and USB Audio Class (UAC) compliant camera module with video and audio feature for conference call applications. The MCY-1360A-J1-T90 provide 360-degree video and omnidirectional sound reception, it can make your video conference even better.

2. Features

- Compliant to USB2.0 and USB Video Class & USB Audio Class
- Support still image capture and video streaming
- Provide Multi-Display Modes
 - ◆ 360° Panorama View
 - ◆ 360° Meeting View
 - ◆ 360° Panorama + Single View
 - ◆ 360° Panorama + Dual View
 - ◆ 360° Conner View
 - ◆ 180° Panorama View
- Quickly switch the display mode via the button
- Use the button to switch to mute mode
- Support 1080p to 30fps
- Automatic image control
 - ◆ Automatic Exposure Control (AEC)
 - ◆ Automatic White Balance (AWB)
- LED indicated
 - ◆ Camera active – Blue
 - ◆ Mute - Red
- Input Voltage: 5V



3. Key Specification

Module Specification			
Dimension (mm)	50.0mm x50.0mm x 23mm		
Power Supply	+4.75V ~ +5.25V		
Image/Video Format	YUY2, MJPG		
Output Interface	USB2.0 (480Mbit/sec)		
Operating Temperature	0°C to +55°C		
Compatibility	USB Video Class		
Power Consumption			
	Min	Type	Max
Input Supply Voltage	4.75	5.0V DC	5.25
Un-configured Current	-	30 mA	-
Operating Current	-	-	260 mA
Suspend Current	-	0.5 mA	-
Display mode	360° Panorama View		
	360° Meeting View		
	360° Panorama + Single View		
	360° Panorama + Dual View		
	360° Conner View		
	180° Panorama View		

Lens Specification	
Element	4 Glass+ 2 Plastic + IR
F Number	2.0±5%
Field of view(Diagonal)	226°

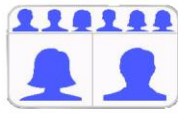
Icon for display mode



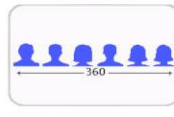
360 Meeting view



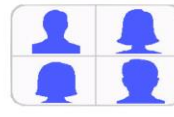
360 Panorama + Single view



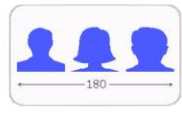
360 Panorama + Dual view



360 Panorama view



360 Conner view



180 Panorama view



4. Pin Description

Pin Description			
Pin Number	Name	Pin Type	Function Description
1	VCC	Power	USB Power Supply +3.3/5.0V
2	D-	Data Pin	USB Data Transmission
3	D+	Data Pin	USB Data Transmission
4	GND	GND	System Ground
5	NC		

