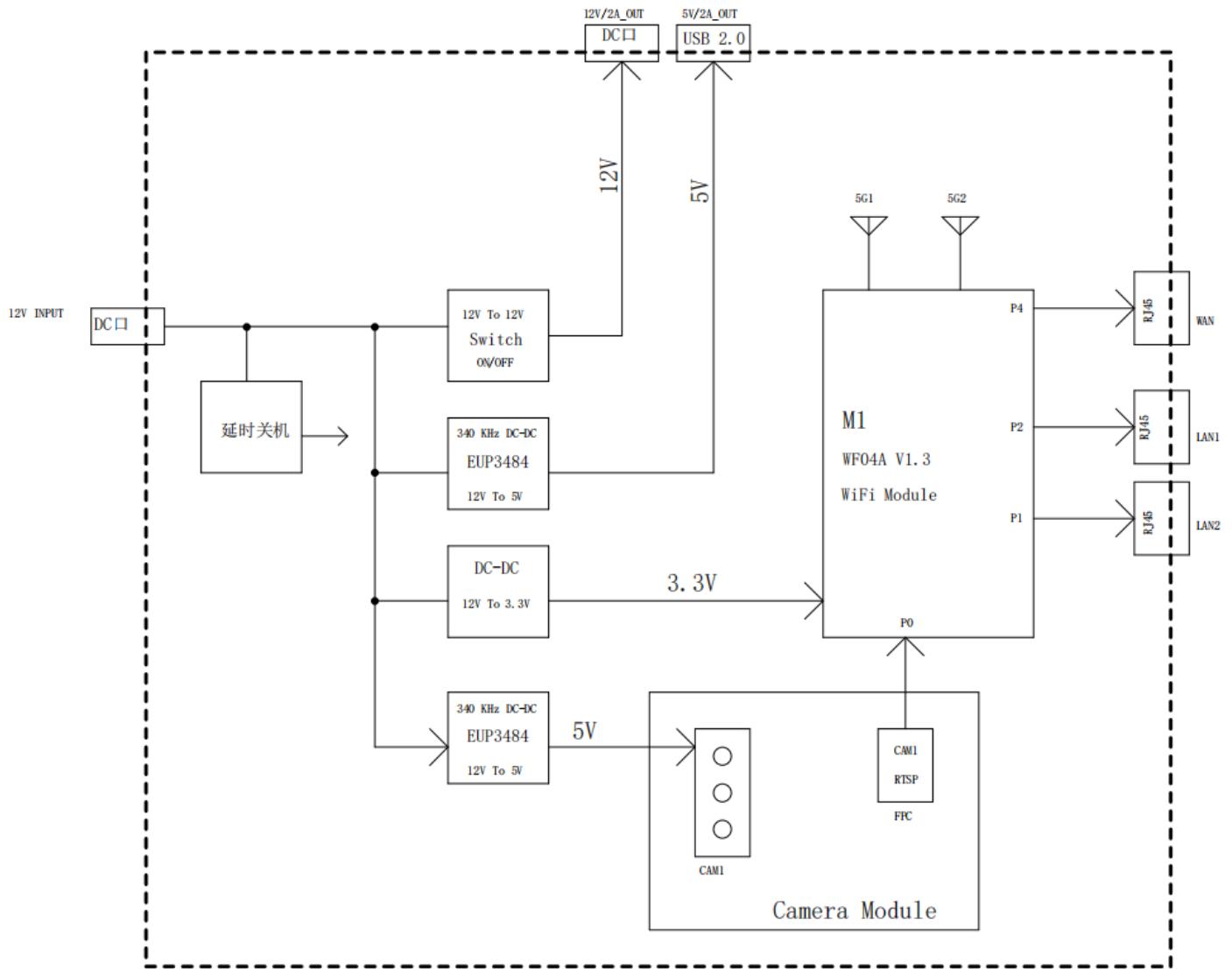


互动工作站工作原理说明

WORKING PRINCIPAL OF INTERACTIVE WORKSTATION

一、互动工作站整机原理框图如下：

一、Interactive workstation working process as following:



二、INPUT 12V (DC 12V) 电源由电源适配器提供，输入到本机后由本机内部的 DC_DC 转换器转为 DC 3.3V

和 DC 5V，分别供给 M1 (WiFi 模块) 和 CAM1 (相机模块)。

二、Power provide by the DC 12V cable. After power into the workstation, it will change power from DC adapter to 3.3V and DC 5V. And then will give the power to M1(WIFI module)and CAM1(camera module).

三、+5V/2A 电源输出是由 DC_DC 转换器将电源适配器输入的+12V 电源转换成+5V 电源输出；+12V/2A 电源输出受电子开关控制，将电源适配器输入的+12V 分流到+12V 输出端口；+5V 及+12V 输出电源是为可能使用+5V 电源或+12V 电源的外部设备预留的；

三、+5V/2A output power is that +12V power in power adapter exchange to +5V output power by DC_DC adapter.+12V/2A output power is control by electron switch. It shunt the +12V in the power adapter to +12V output interface.+5V and +12V output power for in case the outside equipment needed to use +5V or +12V power.

四、以上第二、三点中的各电源均受电源开关控制，电源开关拨动到 ON 位置时，各电源转换器/电子开关开始工作；电源开关拨动到 OFF 位置时，在延时关机电路的控制下各电源转换器/电子开关在约 4S 后停止工作，互动工作站进入关机状态；

四、The all power of above second and third point is control by power switch. When the power is switch on , all power adapter/electron switch will start to work. When the power is switch off, all power adapter/electron switch will stop working after 4s. Then workstation will enter power off situation.

五、互动工作站电源 ON 后：

五、After switch the power in the workstation.

1. M1 通过其 P0 (ESW0) 口与 CAM1 通讯，通讯成功后 LAN1 接口的黄色指示灯会被点亮，CAM1 的数据开始传输到 M1，并由 M1 将数据经其 P1 (ESW1)、P2 (ESW2)、P4 (ESW4) 和 PCIe 0 (WiFi1)、PCIe 1 (WiFi2) 输出；

1. M1 communicate with CAM1 by P0 (ESW0) interface. When finished the communication, the yellow light will switch on. The data of CAM1 will pass to the M1. And P1 (ESW1)、P2 (ESW2)、P4 (ESW4)、PCIe 0 (WiFi1)、PCIe 1 (WiFi2) will output the data by M1.

2. 互动工作站的 LAN1、LAN2、WAN 分别连接 M1 的 P1、P2、P4 端口；

2. LAN1、LAN2、WAN in the workstation connect with P1、P2、P4 interface in the M1.

3. 互动工作站的 LAN1/LAN2 口可与电脑连接, WAN 口可连接路由器, 连接后相应端口的绿色指示灯被点亮;
3. LAN1/LAN2 interface in the workstation able to connect with PC. WAN interface able to connect with router. After connect with the interface, the green indicator lamp will light.
4. 本互动工作站有 2 路 WiFi 5, WiFi 部分工作正常后, 指示灯 5G1、5G2 将会被点亮;
4. There 2 wifi in the workstation. After part of wifi working, the indicator lamp 5G1、5G2 will light.
5. 通过播放器或者专用软件, 可以在 PC 端或手机端查看 CAM1 拍摄到的图像;
5. Using with the media player or the special software, you can see the picture on the PC or cellphone shoot by CAM1.

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FCC WARNING

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum 20cm distance between the radiator and your body: Use only the supplied antenna.