

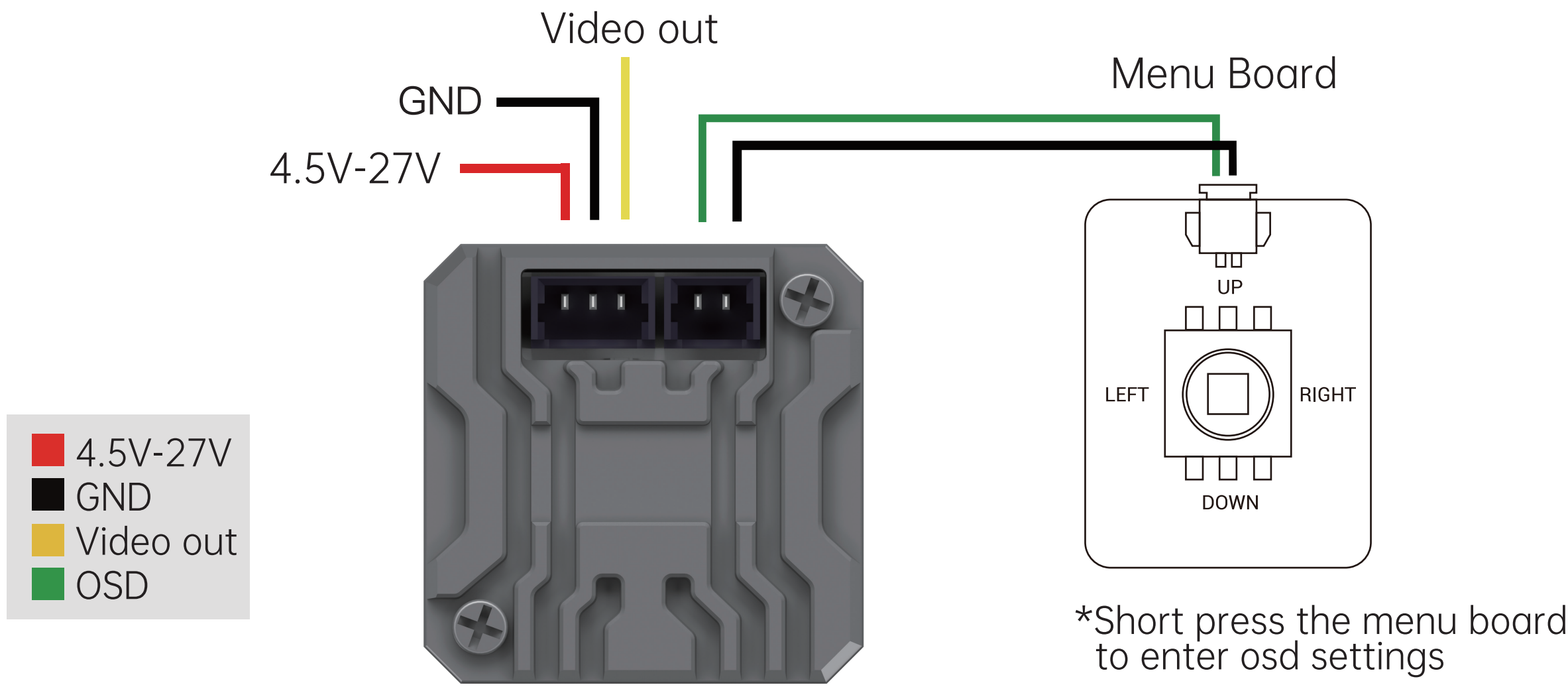
# Ratel Ultra

## Quick Start Guide

V1.0



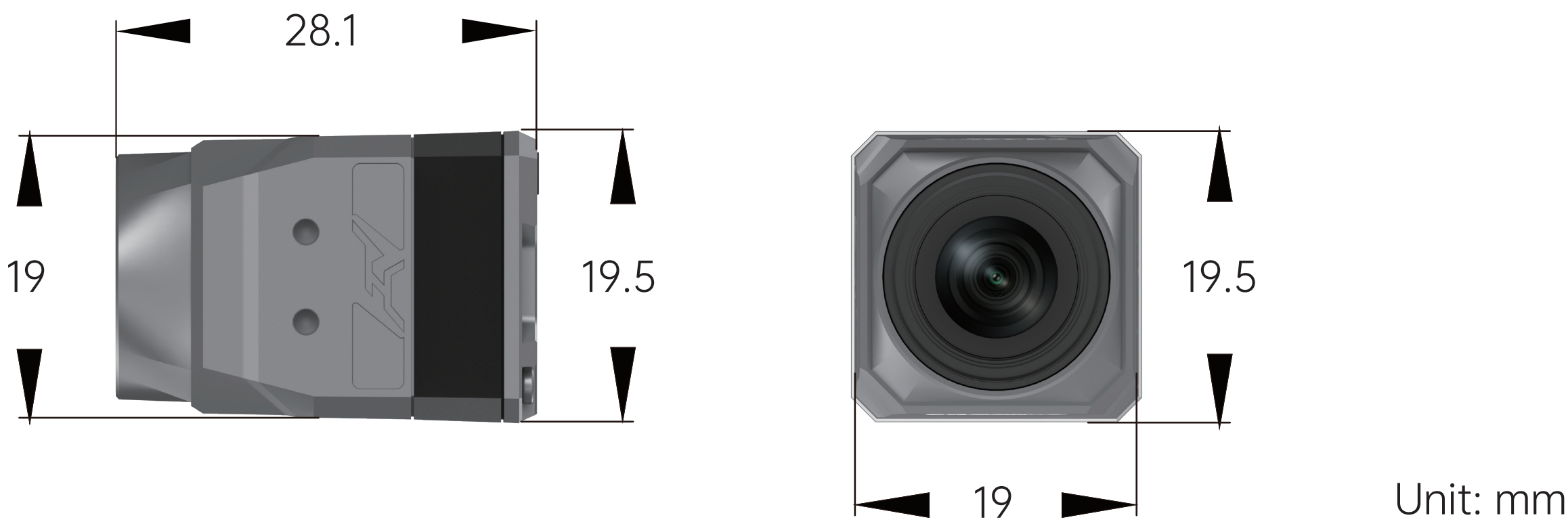
### ■ Connection



### ■ Camera Menu

| MAIN MENU                                                                                                      | AE                                                                                                                              | WE                                                                                                                                                  |
|----------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| AE<br>WB<br>DAY&NIGHT<br>IMAGE ENHANCE<br>VIDEO SETTING<br>LANGUAGE<br><ENGLISH><br>RESET<br>SAVE EXIT<br>EXIT | BRIGHTNESS   <12><br>EXPOSURE MODE<br>GLOBE<br><br>ADVANCED<br>RETURN                                                           | MODE<br><br><ATW><br><br>RETURN                                                                                                                     |
|                                                                                                                | BRIGHTNESS (0-30)<br>EXPORSURE MODE<br>(GLOBE/BLC)<br>BLC (1-8)                                                                 | MODE (ATW/MWB)<br>RGAIN (0-32)<br>BGAIN (0-32)                                                                                                      |
| DAY NIGHT                                                                                                      | IMAGE ENHANCE                                                                                                                   | VIDEO SETTING                                                                                                                                       |
| MODE<br><EXT><br><br>RETURN                                                                                    | CONTRAST           <AUTO><br>SHARPNESS           <AUTO><br>COLOR GAIN           <AUTO><br>3DNR                 <AUTO><br>RETURN | VIDEO STANDARD           <PAL><br>HD FORMAT                 CVBS<br>IMAGE RATIO                <4:3><br>D-WDR                      <OPEN><br>RETURN |
| MODE (BW/AUTO/<br>COLOR/EXT)                                                                                   | CONTRAST (MANUAL/AUTO)<br>SHARPNESS (MANUAL/AUTO)<br>COLOR GAIN (MANUAL/AUTO)<br>3DNR (MANUAL/AUTO)                             | VIDEO STANDARO<br>(PAL/NTSC)<br>IMAGE RATIO (4:3/16:9)<br>D-WDR (OPEN/CLOSE)                                                                        |

### ■ Dimensions



### ■ Specifications

|                       |                                                                                     |
|-----------------------|-------------------------------------------------------------------------------------|
| Product               | Ratel Ultra                                                                         |
| Image Sensor          | 1/1.8 inch sensor                                                                   |
| Horizontal Resolution | 1200TVL                                                                             |
| TV System             | NTSC&PAL(Switchable)                                                                |
| IMAGE                 | 16:9&4:3(Switchable)                                                                |
| WDR                   | Super WDR (HDR)                                                                     |
| Min. Illumination     | 0.00001Lux                                                                          |
| FOV                   | 125°                                                                                |
| Electronic Shutter    | PAL: 1/50~100,000; NTSC: 1/60~100,000                                               |
| OSD manual            | Support                                                                             |
| Language              | ENGLISH/ 中文/ 繁体中文/ русский/ ESPANOL/ ITALIANO/<br>FRANCAIS/ POLSKIM/ PORTUGUES/ 日本語 |
| Day/Night             | Auto/Color/B&W/EXT                                                                  |
| Dimensions            | 19.5mm*19.5mm*28.1mm                                                                |
| Wide Power Input      | DC 4.5V-36V                                                                         |



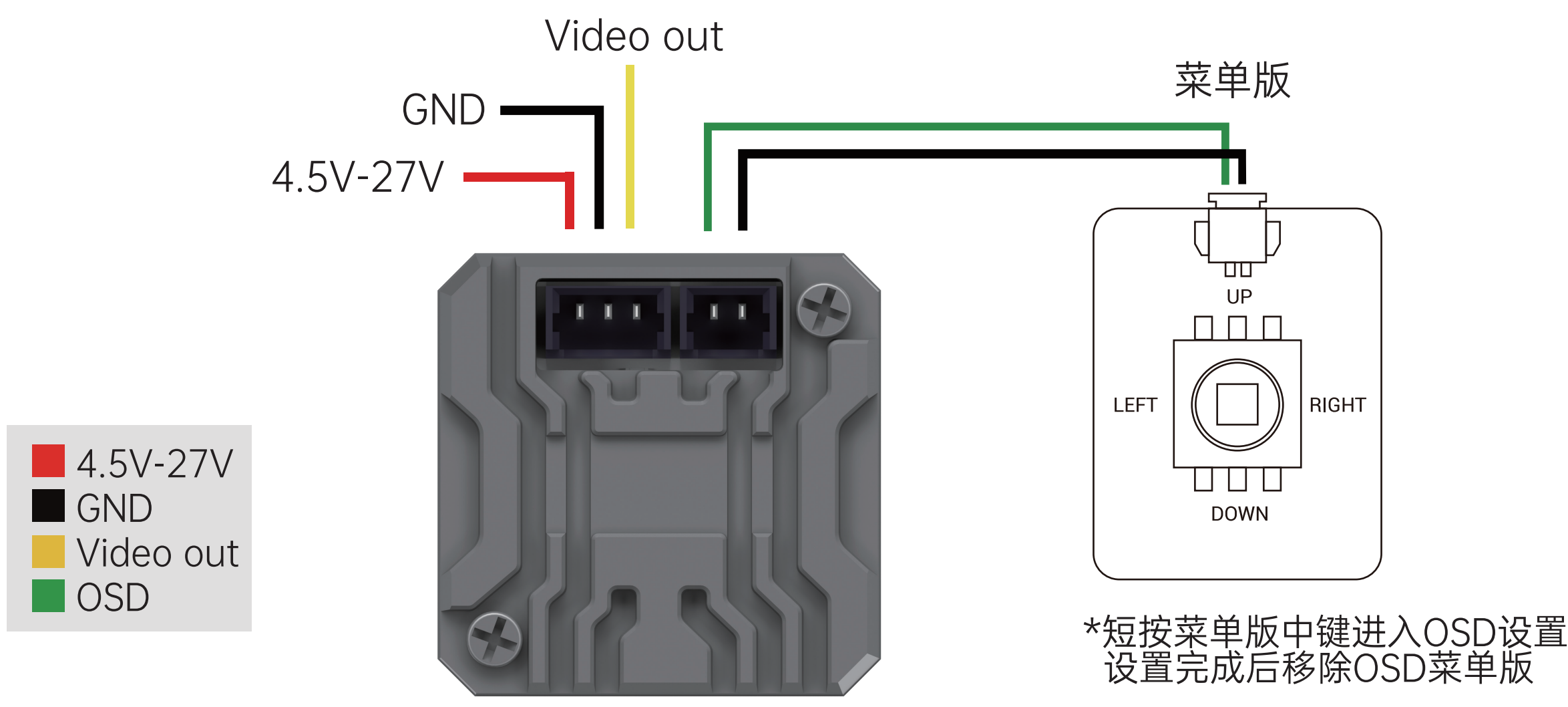
# Ratel Ultra

## 使用说明

V1.0



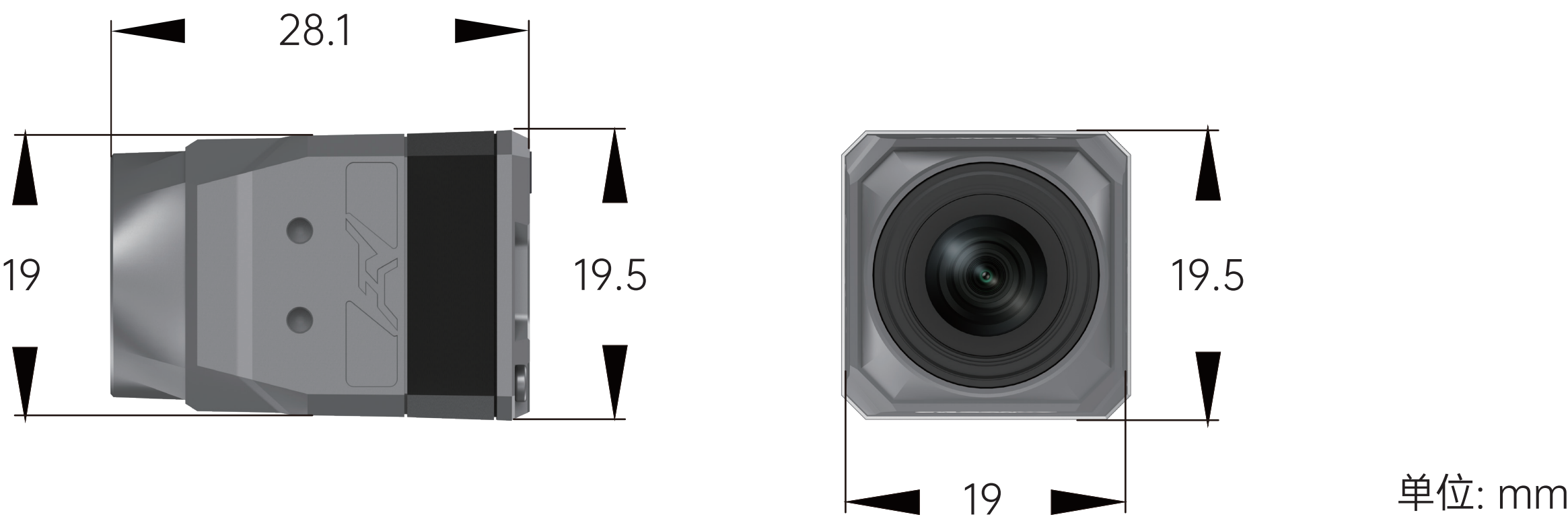
### ■ 安装接线



### ■ 相机菜单

| 主菜单                                                       | 曝光                                            | 白平衡                                                  |
|-----------------------------------------------------------|-----------------------------------------------|------------------------------------------------------|
| 曝光<br>白平衡<br>日夜切换<br>图像增强<br>视频设置<br>语言<br>恢复出厂设置<br>保存推出 | 亮度<br>曝光模式<br>高级<br>返回                        | 模式<br>自动跟踪白平衡<br>返回                                  |
|                                                           | 亮度 (0-30)<br>曝光模式 (全局/<br>背光补偿)<br>背光补偿 (1-8) | 模式 (自动跟踪白平衡/<br>手动白平衡)<br>红色增益 (0-32)<br>蓝色增益 (0-32) |
| 日夜切换                                                      | 图像增强                                          | 视频设置                                                 |
| 模式<br><外部触发><br>返回                                        | 对比度<br>锐度<br>饱和度<br>3D降噪<br>返回                | 视频制式<br>同轴高清制式<br>图像比例<br>D-WDR<br>返回                |
| 模式 (外部触发/内部触<br>发/黑色/彩色)                                  | 对比度<br>锐度<br>饱和度<br>3D降噪                      | 视频制式 <PAL/NTSC><br>图像比例 <4:3/16:9><br>D-WDR (开/关)    |
|                                                           | 自动/手动<br>自动/手动<br>自动/手动<br>自动/手动              |                                                      |

### ■ 外形尺寸



### ■ 产品规格

|       |                                                                                     |
|-------|-------------------------------------------------------------------------------------|
| 产品    | Ratel Ultra                                                                         |
| 传感器   | 1/1.8 inch sensor                                                                   |
| 水平分辨率 | 1200TVL                                                                             |
| 视频制式  | NTSC&PAL(可切换)                                                                       |
| 图像比例  | 16:9&4:3(可切换)                                                                       |
| WDR   | Super WDR (HDR)                                                                     |
| 最低照度  | 0.00001Lux                                                                          |
| FOV   | 125°                                                                                |
| 电子快门  | PAL: 1/50~100,000; NTSC: 1/60~100,000                                               |
| OSD菜单 | 支持                                                                                  |
| 语言    | ENGLISH/ 中文/ 繁体中文/ русский/ ESPANOL/ ITALIANO/<br>FRANCAIS/ POLSKIM/ PORTUGUES/ 日本語 |
| 场景模式  | Auto/Color/B&W/EXT                                                                  |
| 尺寸    | 19.5mm*19.5mm*28.1mm                                                                |
| 宽电压输入 | DC 4.5V-36V                                                                         |