# 静态手势动作定义和标准

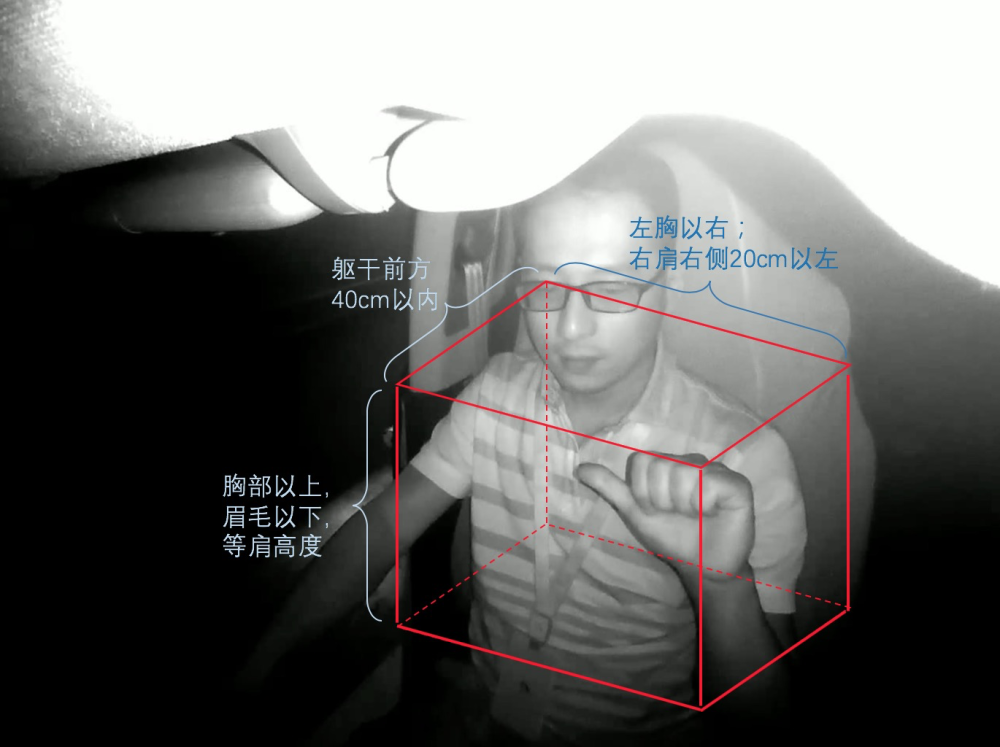
# 手势动作要求：

**（1）不要晃动，保持手势稳定>1s**

**（2）角度：手轮廓与地面基本平行（假设坐姿端正时，则手轮廓和肩基本平行），角度误差需小于30度**



**（3）区域：手抬起区域在一定范围内：胸部以上，眼睛以下，等肩高度；距离躯干前方40cm内，右肩右侧20cm以内。如下所示区域；**



***​***

# 标准/困难样本定义：

## 嘘手势可以左右手做，其他手势仅支持右手！！！

## 0.嘘：

### a.标准动作:

**保证能清晰看见食指放在嘴唇（中间）上，手掌朝左/右**

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### b.可识别动作：

**头部和相机可以成一定夹角，但是需要保证嘴部，食指清晰可见**

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| [MISSING IMAGE: images\_2019-08-07-rgb-afternoon-car-1-left-wjh\_002200.png, images\_2019-08-07-rgb-afternoon-car-1-left-wjh\_002200.png ] | [MISSING IMAGE: images\_vs\_20200312-131531\_35.jpg, images\_vs\_20200312-131531\_35.jpg ] | [MISSING IMAGE: images\_2019-07-29-rgb-afternoon-car-1-left-and-right\_005130.png, images\_2019-07-29-rgb-afternoon-car-1-left-and-right\_005130.png ] |

### c.不可识别/干扰/边界动作：

**遮挡嘴部；角度过大；食指放在嘴角；手背朝前；悬空，不贴像嘴部；**

**模糊/噪声；其他手指**

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| [MISSING IMAGE: images\_3\_yibiao\_ground\_002136.png, images\_3\_yibiao\_ground\_002136.png ] |  |  |

### d.待定：

戴口罩可能会影响模型识别精度

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## 1.666:

### a.标准动作:

**保证能清晰看见小拇指和大拇指，且大拇指/小拇指于垂直方向有一定夹角，手掌/手背朝前均可​**

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| [MISSING IMAGE: images\_2019-08-07-rgb-afternoon-car-1-right-rose\_007020.png, images\_2019-08-07-rgb-afternoon-car-1-right-rose\_007020.png ] | [MISSING IMAGE: images\_2019-07-30-rgb-afternoon-station-right-lh\_004630.png, images\_2019-07-30-rgb-afternoon-station-right-lh\_004630.png ] |

### b.可识别动作：

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| [MISSING IMAGE: images\_2019-08-07-rgb-afternoon-car-2-right-wjh\_006970.png, images\_2019-08-07-rgb-afternoon-car-2-right-wjh\_006970.png ] | [MISSING IMAGE: images\_vs\_20200311-134915\_80.jpg, images\_vs\_20200311-134915\_80.jpg ] | [MISSING IMAGE: images\_vs\_20200331-180132\_4855.jpg, images\_vs\_20200331-180132\_4855.jpg ] |
| [MISSING IMAGE: 666\_2\_Foreward\_IR\_666\_44.jpg, 666\_2\_Foreward\_IR\_666\_44.jpg ] |  |  |

### c.不可识别/干扰/边界动作：

**手掌/手背朝向地面；手指仅部分可见/完全不可见；严重遮挡**

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| [MISSING IMAGE: images\_vs\_20200312-161919\_220.jpg, images\_vs\_20200312-161919\_220.jpg ] | [MISSING IMAGE: images\_vs\_20200330-174202\_435.jpg, images\_vs\_20200330-174202\_435.jpg ] | [MISSING IMAGE: images\_vs\_20200331-144401\_1865.jpg, images\_vs\_20200331-144401\_1865.jpg ] | [MISSING IMAGE: , ] |
| [MISSING IMAGE: images\_vs\_20200331-153755\_1880.jpg, images\_vs\_20200331-153755\_1880.jpg ] | [MISSING IMAGE: images\_vs\_20200312-101853\_370.jpg, images\_vs\_20200312-101853\_370.jpg ] | [MISSING IMAGE: images\_2019-07-30-rgb-afternoon-station-left-lh\_003160.png, images\_2019-07-30-rgb-afternoon-station-left-lh\_003160.png ] | [MISSING IMAGE: images\_1\_yibiao\_ground\_001764.png, images\_1\_yibiao\_ground\_001764.png ] |
| [MISSING IMAGE: images\_2019-07-30-rgb-afternoon-station-right-lh\_000590.png, images\_2019-07-30-rgb-afternoon-station-right-lh\_000590.png ] | [MISSING IMAGE: images\_2019-08-26-ir-night-station-right\_007670.png, images\_2019-08-26-ir-night-station-right\_007670.png ] | [MISSING IMAGE: images\_2019-08-28-ir-afternoon-car-2-left-and-right\_012110.png, images\_2019-08-28-ir-afternoon-car-2-left-and-right\_012110.png ] | [MISSING IMAGE: 666\_70\_Foreward\_RGB\_666\_44.jpg, 666\_70\_Foreward\_RGB\_666\_44.jpg ] |

## 2.v:

### a.标准动作:

**保证能够看见中指和食指并成一定夹角，且于垂直方向成一定夹角​**

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| [MISSING IMAGE: images\_2019-07-30-rgb-afternoon-station-right-rose\_002220.png, images\_2019-07-30-rgb-afternoon-station-right-rose\_002220.png ] | [MISSING IMAGE: V\_3\_RearviewMirror\_RGB\_V\_154.jpg, V\_3\_RearviewMirror\_RGB\_V\_154.jpg ] |

### b.可识别动作：

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| [MISSING IMAGE: images\_4\_yibiao\_cheku\_001791.png, images\_4\_yibiao\_cheku\_001791.png ] | [MISSING IMAGE: images\_2019-08-05-rgb-night-station-right-xp\_002370.png, images\_2019-08-05-rgb-night-station-right-xp\_002370.png ] | [MISSING IMAGE: images\_2019-09-24-ir-morning-station-left-and-right-whf\_022270.png, images\_2019-09-24-ir-morning-station-left-and-right-whf\_022270.png ] | [MISSING IMAGE: images\_vs\_20200311-134915\_1095.jpg, images\_vs\_20200311-134915\_1095.jpg ] |
| [MISSING IMAGE: images\_vs\_20200312-101348\_215.jpg, images\_vs\_20200312-101348\_215.jpg ] | [MISSING IMAGE: images\_2019-08-05-rgb-night-station-right-xp\_002480.png, images\_2019-08-05-rgb-night-station-right-xp\_002480.png ] |  |  |

### c.不可识别/干扰/边界动作：

**水平比V；食指和中指夹角不明显；手指不能完全可见；严重遮挡**

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| [MISSING IMAGE: , ] | [MISSING IMAGE: , ] | [MISSING IMAGE: images\_vs\_20200312-121347\_160.jpg, images\_vs\_20200312-121347\_160.jpg ] | [MISSING IMAGE: images\_vs\_20200330-174202\_560.jpg, images\_vs\_20200330-174202\_560.jpg ] |
| [MISSING IMAGE: images\_vs\_20200312-103746\_210.jpg, images\_vs\_20200312-103746\_210.jpg ] | [MISSING IMAGE: images\_vs\_20200311-105026\_290.jpg, images\_vs\_20200311-105026\_290.jpg ] |  |  |

## 3.比心：

### a.标准动作:

**清晰可见食指和拇指且成交叉状态,指背朝前。手势不可有过大姿态角**

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| [MISSING IMAGE: images\_2019-08-01-rgb-afternoon-bj-station-left-and-right-gd\_001736.png, images\_2019-08-01-rgb-afternoon-bj-station-left-and-right-gd\_001736.png ] | [MISSING IMAGE: images\_2019-08-09-ir-afternoon-bj-car-left-and-right-ll\_000890.png, images\_2019-08-09-ir-afternoon-bj-car-left-and-right-ll\_000890.png ] |

### b.可识别动作：

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| [MISSING IMAGE: BiXin\_7\_Foreward\_IR\_BiXin\_66.jpg, BiXin\_7\_Foreward\_IR\_BiXin\_66.jpg ] | [MISSING IMAGE: images\_vs\_20200311-110247\_145.jpg, images\_vs\_20200311-110247\_145.jpg ] | [MISSING IMAGE: images\_vs\_20200331-161427\_695.jpg, images\_vs\_20200331-161427\_695.jpg ] |
| [MISSING IMAGE: images\_vs\_20200331-105945\_2065.jpg, images\_vs\_20200331-105945\_2065.jpg ] | [MISSING IMAGE: BiXin\_11\_RearviewMirror\_RGB\_BiXin\_110.jpg, BiXin\_11\_RearviewMirror\_RGB\_BiXin\_110.jpg ] | [MISSING IMAGE: images\_vs\_20200312-180332\_225.jpg, images\_vs\_20200312-180332\_225.jpg ] |

### c.不可识别/干扰/边界动作：

比心手势由于是细微手指动作，因此要求手势要严格按照标准动作执行，否则视为无效手势。

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| [MISSING IMAGE: BiXin\_3\_Foreward\_IR\_BiXin\_176.jpg, BiXin\_3\_Foreward\_IR\_BiXin\_176.jpg ] | [MISSING IMAGE: BiXin\_27\_Foreward\_IR\_BiXin\_44.jpg, BiXin\_27\_Foreward\_IR\_BiXin\_44.jpg ] | [MISSING IMAGE: BiXin\_41\_Foreward\_RGB\_BiXin\_88.jpg, BiXin\_41\_Foreward\_RGB\_BiXin\_88.jpg ] | [MISSING IMAGE: BiXin\_41\_RearviewMirror\_RGB\_BiXin\_22.jpg, BiXin\_41\_RearviewMirror\_RGB\_BiXin\_22.jpg ] |
| [MISSING IMAGE: BiXin\_42\_RearviewMirror\_IR\_BiXin\_88.jpg, BiXin\_42\_RearviewMirror\_IR\_BiXin\_88.jpg ] | [MISSING IMAGE: images\_vs\_20200311-105005\_315.jpg, images\_vs\_20200311-105005\_315.jpg ] | [MISSING IMAGE: images\_vs\_20200311-110247\_1260.jpg, images\_vs\_20200311-110247\_1260.jpg ] | [MISSING IMAGE: images\_vs\_20200312-101348\_525.jpg, images\_vs\_20200312-101348\_525.jpg ] |
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| [MISSING IMAGE: images\_vs\_20200312-194612\_450.jpg, images\_vs\_20200312-194612\_450.jpg ] | [MISSING IMAGE: images\_vs\_20200312-152952\_255.jpg, images\_vs\_20200312-152952\_255.jpg ] | [MISSING IMAGE: images\_vs\_20200312-160154\_180.jpg, images\_vs\_20200312-160154\_180.jpg ] | [MISSING IMAGE: images\_vs\_20200312-152731\_200.jpg, images\_vs\_20200312-152731\_200.jpg ] |

## 4.ok:

### a.标准动作:

**保证清晰可见中指，无名指，小拇指以及大拇指和食指相连成“O”，手掌朝左/前**

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| [MISSING IMAGE: images\_2\_yibiao\_ground\_001554.png, images\_2\_yibiao\_ground\_001554.png ] | [MISSING IMAGE: OK\_13\_RearviewMirror\_RGB\_OK\_66.jpg, OK\_13\_RearviewMirror\_RGB\_OK\_66.jpg ] |

### b.可识别动作：

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| [MISSING IMAGE: OK\_3\_RearviewMirror\_RGB\_OK\_88.jpg, OK\_3\_RearviewMirror\_RGB\_OK\_88.jpg ] | [MISSING IMAGE: OK\_24\_Foreward\_RGB\_OK\_154.jpg, OK\_24\_Foreward\_RGB\_OK\_154.jpg ] | [MISSING IMAGE: OK\_29\_Foreward\_RGB\_OK\_66.jpg, OK\_29\_Foreward\_RGB\_OK\_66.jpg ] | [MISSING IMAGE: OK\_77\_Foreward\_IR\_OK\_44.jpg, OK\_77\_Foreward\_IR\_OK\_44.jpg ] |
| [MISSING IMAGE: images\_1\_yibiao\_cheku\_001686.png, images\_1\_yibiao\_cheku\_001686.png ] | [MISSING IMAGE: images\_2019-07-29-rgb-afternoon-car-2-right\_006100.png, images\_2019-07-29-rgb-afternoon-car-2-right\_006100.png ] |  |  |

### c.不可识别/干扰/边界动作：

“O”型不可见；手背朝前；三个手指不能完全可见；动作处于过渡状态

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| [MISSING IMAGE: OK\_38\_RearviewMirror\_RGB\_OK\_22.jpg, OK\_38\_RearviewMirror\_RGB\_OK\_22.jpg ] | [MISSING IMAGE: images\_vs\_20200311-105005\_390.jpg, images\_vs\_20200311-105005\_390.jpg ] | [MISSING IMAGE: images\_vs\_20200311-110055\_370.jpg, images\_vs\_20200311-110055\_370.jpg ] | [MISSING IMAGE: images\_vs\_20200312-124606\_280.jpg, images\_vs\_20200312-124606\_280.jpg ] |
| [MISSING IMAGE: images\_vs\_20200312-152638\_550.jpg, images\_vs\_20200312-152638\_550.jpg ] | [MISSING IMAGE: images\_5\_yibiao\_ground\_000864.png, images\_5\_yibiao\_ground\_000864.png ] | [MISSING IMAGE: images\_2019-07-30-rgb-night-station-right\_000380.png, images\_2019-07-30-rgb-night-station-right\_000380.png ] |  |

## 5.比赞：

### a.标准动作:

**保证清晰可见大拇指，且大拇指需要垂直，不允许明显倾斜**

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| [MISSING IMAGE: Good\_8\_Foreward\_RGB\_Good\_22.jpg, Good\_8\_Foreward\_RGB\_Good\_22.jpg ] | [MISSING IMAGE: images\_2019-08-07-rgb-afternoon-car-2-right-rose\_001140.png, images\_2019-08-07-rgb-afternoon-car-2-right-rose\_001140.png ] |

### b.可识别动作：

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| [MISSING IMAGE: Good\_3\_Foreward\_IR\_Good\_176.jpg, Good\_3\_Foreward\_IR\_Good\_176.jpg ] | [MISSING IMAGE: Good\_2\_Foreward\_IR\_Good\_44.jpg, Good\_2\_Foreward\_IR\_Good\_44.jpg ] | [MISSING IMAGE: Good\_2\_RearviewMirror\_IR\_Good\_22.jpg, Good\_2\_RearviewMirror\_IR\_Good\_22.jpg ] | [MISSING IMAGE: Good\_5\_Foreward\_IR\_Good\_22.jpg, Good\_5\_Foreward\_IR\_Good\_22.jpg ] |
| [MISSING IMAGE: Good\_10\_RearviewMirror\_RGB\_Good\_88.jpg, Good\_10\_RearviewMirror\_RGB\_Good\_88.jpg ] |  |  |  |

### c.不可识别/干扰/边界动作：

大拇指明显出现倾斜；手部出现明显倾斜；严重遮挡；大拇指部分可见

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| [MISSING IMAGE: Good\_38\_Foreward\_RGB\_Good\_22.jpg, Good\_38\_Foreward\_RGB\_Good\_22.jpg ] | [MISSING IMAGE: Good\_87\_RearviewMirror\_IR\_Good\_66.jpg, Good\_87\_RearviewMirror\_IR\_Good\_66.jpg ] | [MISSING IMAGE: Good\_111\_RearviewMirror\_RGB\_Good\_110.jpg, Good\_111\_RearviewMirror\_RGB\_Good\_110.jpg ] | [MISSING IMAGE: images\_vs\_20200311-105026\_550.jpg, images\_vs\_20200311-105026\_550.jpg ] |
| [MISSING IMAGE: Good\_85\_Foreward\_RGB\_Good\_22.jpg, Good\_85\_Foreward\_RGB\_Good\_22.jpg ] | [MISSING IMAGE: images\_1\_yibiao\_ground\_000345.png, images\_1\_yibiao\_ground\_000345.png ] | [MISSING IMAGE: images\_vs\_20200331-115258\_1160.jpg, images\_vs\_20200331-115258\_1160.jpg ] | [MISSING IMAGE: images\_vs\_20200312-131531\_465.jpg, images\_vs\_20200312-131531\_465.jpg ] |

## 6.握拳：

### a.标准动作:

**保证五个手指收紧，手掌朝前**

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| [MISSING IMAGE: images\_2019-07-28-rgb-afternoon-parlour-right-coat\_002520.png, images\_2019-07-28-rgb-afternoon-parlour-right-coat\_002520.png ] | [MISSING IMAGE: Fist\_6\_Foreward\_RGB\_Fist\_22.jpg, Fist\_6\_Foreward\_RGB\_Fist\_22.jpg ] |

### b.可识别动作：

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| [MISSING IMAGE: images\_vs\_20200331-115258\_1390.jpg, images\_vs\_20200331-115258\_1390.jpg ] | [MISSING IMAGE: images\_2019-07-28-rgb-afternoon-parlour-left\_003610.png, images\_2019-07-28-rgb-afternoon-parlour-left\_003610.png ] | [MISSING IMAGE: images\_vs\_20200311-105005\_800.jpg, images\_vs\_20200311-105005\_800.jpg ] | [MISSING IMAGE: Fist\_12\_Foreward\_IR\_Fist\_22.jpg, Fist\_12\_Foreward\_IR\_Fist\_22.jpg ] |

### c.不可识别/干扰/边界动作：

手背朝前；姿态角过大；指背朝前；拳低朝前；拳顶朝前

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| [MISSING IMAGE: images\_2019-08-01-rgb-afternoon-bj-station-left-and-right-zw\_002480.png, images\_2019-08-01-rgb-afternoon-bj-station-left-and-right-zw\_002480.png ] | [MISSING IMAGE: images\_2019-07-28-rgb-afternoon-parlour-right\_004070.png, images\_2019-07-28-rgb-afternoon-parlour-right\_004070.png ] | [MISSING IMAGE: images\_vs\_20200311-140958\_815.jpg, images\_vs\_20200311-140958\_815.jpg ] | [MISSING IMAGE: images\_vs\_20200312-152952\_665.jpg, images\_vs\_20200312-152952\_665.jpg ] |
| [MISSING IMAGE: Fist\_42\_RearviewMirror\_RGB\_Fist\_22.jpg, Fist\_42\_RearviewMirror\_RGB\_Fist\_22.jpg ] | [MISSING IMAGE: images\_vs\_20200331-162922\_940.jpg, images\_vs\_20200331-162922\_940.jpg ] | [MISSING IMAGE: images\_vs\_20200312-152952\_675.jpg, images\_vs\_20200312-152952\_675.jpg ] | [MISSING IMAGE: images\_vs\_20200331-142937\_570.jpg, images\_vs\_20200331-142937\_570.jpg ] |
| [MISSING IMAGE: images\_1\_yibiao\_ground\_001419.png, images\_1\_yibiao\_ground\_001419.png ] |  |  |  |

## 7.比五：

### a.标准动作:

**保证五个手指可见，且手指之间需要分开，手掌朝外，手指垂直**

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| [MISSING IMAGE: images\_1\_yibiao\_cheku\_001221.png, images\_1\_yibiao\_cheku\_001221.png ] | [MISSING IMAGE: images\_2019-07-28-rgb-afternoon-parlour-right-coat\_001200.png, images\_2019-07-28-rgb-afternoon-parlour-right-coat\_001200.png ] |

### b.可识别动作：

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| [MISSING IMAGE: 5\_2\_Foreward\_IR\_5\_22.jpg, 5\_2\_Foreward\_IR\_5\_22.jpg ] | [MISSING IMAGE: 5\_47\_Foreward\_RGB\_5\_66.jpg, 5\_47\_Foreward\_RGB\_5\_66.jpg ] | [MISSING IMAGE: images\_vs\_20200331-160413\_2750.jpg, images\_vs\_20200331-160413\_2750.jpg ] | [MISSING IMAGE: images\_vs\_20200312-122600\_750.jpg, images\_vs\_20200312-122600\_750.jpg ] |

### c.不可识别/干扰/边界动作：

手掌朝向左右；手背朝前；严重遮挡；五指紧贴；手指水平地面；五指并未展开

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| [MISSING IMAGE: images\_vs\_20200312-115757\_820.jpg, images\_vs\_20200312-115757\_820.jpg ] | [MISSING IMAGE: images\_vs\_20200312-143859\_480.jpg, images\_vs\_20200312-143859\_480.jpg ] | [MISSING IMAGE: images\_3\_yibiao\_cheku\_001188.png, images\_3\_yibiao\_cheku\_001188.png ] | [MISSING IMAGE: images\_4\_yibiao\_ground\_003444.png, images\_4\_yibiao\_ground\_003444.png ] |
| [MISSING IMAGE: images\_2019-07-28-rgb-afternoon-parlour-right\_005660.png, images\_2019-07-28-rgb-afternoon-parlour-right\_005660.png ] | [MISSING IMAGE: images\_2019-07-28-rgb-afternoon-parlour-right-coat\_001340.png, images\_2019-07-28-rgb-afternoon-parlour-right-coat\_001340.png ] | [MISSING IMAGE: images\_2019-07-30-rgb-afternoon-station-left-wjh\_004870.png, images\_2019-07-30-rgb-afternoon-station-left-wjh\_004870.png ] | [MISSING IMAGE: images\_2019-08-26-ir-afternoon-station-right\_007040.png, images\_2019-08-26-ir-afternoon-station-right\_007040.png ] |
| [MISSING IMAGE: images\_vs\_20200312-164408\_800.jpg, images\_vs\_20200312-164408\_800.jpg ] | [MISSING IMAGE: images\_vs\_20200331-180132\_5565.jpg, images\_vs\_20200331-180132\_5565.jpg ] |  |  |

## 8.其他

### a.标准动作:

**除了10种有效手势外的其他手势，**

## 9.向左：

### a.标准动作:

**大拇指清晰可见且水平于地面，手掌朝前**

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| [MISSING IMAGE: Left\_13\_RearviewMirror\_RGB\_Left\_22.jpg, Left\_13\_RearviewMirror\_RGB\_Left\_22.jpg ] | [MISSING IMAGE: images\_2019-07-28-rgb-afternoon-parlour-right-coat\_002670.png, images\_2019-07-28-rgb-afternoon-parlour-right-coat\_002670.png ] |

### b.可识别动作：

|  |  |  |  |
| --- | --- | --- | --- |
| [MISSING IMAGE: images\_2019-07-29-ir-night-bj-room-left-and-right-zw\_003330.png, images\_2019-07-29-ir-night-bj-room-left-and-right-zw\_003330.png ] | [MISSING IMAGE: images\_2019-07-30-rgb-afternoon-station-right-lh\_001270.png, images\_2019-07-30-rgb-afternoon-station-right-lh\_001270.png ] | [MISSING IMAGE: images\_2019-07-29-rgb-afternoon-car-2-left-and-right-2\_002430.png, images\_2019-07-29-rgb-afternoon-car-2-left-and-right-2\_002430.png ] | [MISSING IMAGE: train\_1029\_wj\_hand\_6272.jpg, train\_1029\_wj\_hand\_6272.jpg ] |
| [MISSING IMAGE: train\_1111\_boyang\_hand1\_660.jpg, train\_1111\_boyang\_hand1\_660.jpg ] | [MISSING IMAGE: train\_1202\_wq\_hand1\_1425.jpg, train\_1202\_wq\_hand1\_1425.jpg ] |  |  |

### c.不可识别/干扰/边界动作：

指背朝前；手背朝前；大拇指不能完全清晰可见；大拇指与地面成较大角度

|  |  |  |  |
| --- | --- | --- | --- |
| [MISSING IMAGE: images\_2019-07-29-rgb-afternoon-car-2-left-and-right\_007770.png, images\_2019-07-29-rgb-afternoon-car-2-left-and-right\_007770.png ] | [MISSING IMAGE: images\_2019-08-01-rgb-afternoon-bj-station-left-and-right-gd\_000672.png, images\_2019-08-01-rgb-afternoon-bj-station-left-and-right-gd\_000672.png ] | [MISSING IMAGE: images\_2019-08-01-rgb-afternoon-bj-station-left-and-right-gd\_002392.png, images\_2019-08-01-rgb-afternoon-bj-station-left-and-right-gd\_002392.png ] | [MISSING IMAGE: images\_2019-09-09-ir-afternoon-car-1-left-and-right-flq\_006990.png, images\_2019-09-09-ir-afternoon-car-1-left-and-right-flq\_006990.png ] |
| [MISSING IMAGE: train\_1029\_gd\_hand\_1\_140.jpg, train\_1029\_gd\_hand\_1\_140.jpg ] | [MISSING IMAGE: train\_1029\_gd\_hand\_1\_2150.jpg, train\_1029\_gd\_hand\_1\_2150.jpg ] | [MISSING IMAGE: train\_1029\_gd\_hand\_2\_715.jpg, train\_1029\_gd\_hand\_2\_715.jpg ] | [MISSING IMAGE: images\_4\_yibiao\_cheku\_001098.png, images\_4\_yibiao\_cheku\_001098.png ] |
| [MISSING IMAGE: , ] | [MISSING IMAGE: , ] | [MISSING IMAGE: , ] |  |

## 10.向右：

### a.标准动作:

**大拇指清晰可见且水平于地面，手背朝前**

|  |  |
| --- | --- |
| [MISSING IMAGE: Right\_12\_RearviewMirror\_RGB\_Right\_22.jpg, Right\_12\_RearviewMirror\_RGB\_Right\_22.jpg ] | [MISSING IMAGE: images\_1\_yibiao\_cheku\_001062.png, images\_1\_yibiao\_cheku\_001062.png ] |

### b.可识别动作：

|  |  |  |  |
| --- | --- | --- | --- |
| [MISSING IMAGE: images\_1\_yibiao\_cheku\_002049.png, images\_1\_yibiao\_cheku\_002049.png ] | [MISSING IMAGE: Right\_78\_Foreward\_IR\_Right\_132.jpg, Right\_78\_Foreward\_IR\_Right\_132.jpg ] | [MISSING IMAGE: images\_2019-07-29-rgb-afternoon-car-1-left-and-right\_003970.png, images\_2019-07-29-rgb-afternoon-car-1-left-and-right\_003970.png ] | [MISSING IMAGE: images\_2019-08-01-rgb-afternoon-bj-station-left-and-right-gd\_000800.png, images\_2019-08-01-rgb-afternoon-bj-station-left-and-right-gd\_000800.png ] |
| [MISSING IMAGE: images\_2019-08-07-rgb-afternoon-car-2-right-wjh\_002600.png, images\_2019-08-07-rgb-afternoon-car-2-right-wjh\_002600.png ] | [MISSING IMAGE: Right\_26\_Foreward\_IR\_Right\_22.jpg, Right\_26\_Foreward\_IR\_Right\_22.jpg ] | [MISSING IMAGE: Right\_89\_RearviewMirror\_IR\_Right\_88.jpg, Right\_89\_RearviewMirror\_IR\_Right\_88.jpg ] |  |

### c.不可识别/干扰/边界动作：

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| --- | --- | --- | --- |
| [MISSING IMAGE: images\_4\_yibiao\_cheku\_001080.png, images\_4\_yibiao\_cheku\_001080.png ] | [MISSING IMAGE: images\_4\_yibiao\_ground\_001683.png, images\_4\_yibiao\_ground\_001683.png ] | [MISSING IMAGE: images\_2019-07-29-rgb-afternoon-car-2-right\_007060.png, images\_2019-07-29-rgb-afternoon-car-2-right\_007060.png ] | [MISSING IMAGE: images\_2019-08-28-ir-afternoon-station-left-and-right-gyb\_004880.png, images\_2019-08-28-ir-afternoon-station-left-and-right-gyb\_004880.png ] |
| [MISSING IMAGE: images\_2019-07-28-rgb-night-room-left\_000580.png, images\_2019-07-28-rgb-night-room-left\_000580.png ] | [MISSING IMAGE: images\_2019-07-30-rgb-afternoon-station-left-lh\_001790.png, images\_2019-07-30-rgb-afternoon-station-left-lh\_001790.png ] | [MISSING IMAGE: images\_1\_yibiao\_ground\_002730.png, images\_1\_yibiao\_ground\_002730.png ] | [MISSING IMAGE: Right\_89\_RearviewMirror\_RGB\_Right\_22.jpg, Right\_89\_RearviewMirror\_RGB\_Right\_22.jpg ] |
| [MISSING IMAGE: , ] | [MISSING IMAGE: , ] | [MISSING IMAGE: , ] |  |

<https://yuque.antfin-inc.com/zppdqz/tg1g0l/grvty6>

# MIFA交付动作标准：

***\*\*\*MIFA仅输出嘘和V两种手势\*\*\****

## 嘘：

参考上述标准样本嘘手势定义

## V:

参考上述标准样本V手势定义

遮挡sampers:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 50% | 40% | 30% | 20% | 10% |
| [MISSING IMAGE: image.png, image.png ] | [MISSING IMAGE: image.png, image.png ] | [MISSING IMAGE: image.png, image.png ] | [MISSING IMAGE: image.png, image.png ] | [MISSING IMAGE: image.png, image.png ] |

# 手势测试：

**1.尽量覆盖全场景，低光/光线正常/光线充足**

**2.测试动作需要保持稳定>1s**

**3.测试视频/人员>30**

**当前测试样本：**

**20个独立视频，13人**