**JB02\_四键数码激光版自定义协议**

1. **端点类型**

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| **端点2输出** | **数据长度** | **方向** | **应答** | **接口** | **端点** |
| **8** | **IN** | **无** |  | **2** |

1. **厂商编号**

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| 厂商名称 | Zuomu |
| 设备名称 | Smartpen |
| VID | 0x363C |
| PID | 0x0001 |

1. **场景功能-数据格式定义：**

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| 场景功能 | |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **场景功能** | **电子激光模式** | **IN** | **Byte1** | **Byte2** | **Byte3** | **Byte4** | **Byte5** | **Byte6** | **Byte7** | **Byte8** | | **包头** | **包头** | **保留** | **光圈大小** | **保留** | **保留** | **保留** | **保留** | | **Byte1：电子激光模式包头固定0xAB**  **Byte2：电子激光模式包头固定0xCD**  **Byte3：保留 0x00**  **Byte4：光圈5档大小，红色0x01-0x05，绿色0x11-0x15**  **Byte5-Byte8：保留 0x00** | | | | | | | | | | | |
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| |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **场景功能** | **放大镜模式** | **IN** | **Byte1** | **Byte2** | **Byte3** | **Byte4** | **Byte5** | **Byte6** | **Byte7** | **Byte8** | | **包头** | **包头** | **保留** | **光圈大小** | **保留** | **保留** | **保留** | **保留** | | **Byte1：放大镜模式包头固定0xA1**  **Byte2：放大镜模式包头固定0xB1**  **Byte3：保留 0x00**  **Byte4：光圈5档大小，1-5档大小0x01-0x05**  **Byte5-Byte8：保留 0x00** | | | | | | | | | | | |
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| |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **场景功能** | **聚光灯模式** | **IN** | **Byte1** | **Byte2** | **Byte3** | **Byte4** | **Byte5** | **Byte6** | **Byte7** | **Byte8** | | **包头** | **包头** | **保留** | **光圈大小** | **保留** | **保留** | **保留** | **保留** | | **Byte1：聚光灯模式包头固定0xA2**  **Byte2：聚光灯模式包头固定0xB2**  **Byte3：保留 0x00**  **Byte4：光圈5档大小，1-5档大小0x01-0x05**  **Byte5-Byte8：保留 0x00** | | | | | | | | | | | |
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| |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **场景功能** | **正常模式** | **IN** | **Byte1** | **Byte2** | **Byte3** | **Byte4** | **Byte5** | **Byte6** | **Byte7** | **Byte8** | | **包头** | **包头** | **保留** | **保留** | **保留** | **保留** | **保留** | **保留** | | **Byte1：正常模式包头固定0xA0**  **Byte2：正常模式包头固定0xB0**  **Byte3：保留 0x00**  **Byte4：保留 0x00**  **Byte5-Byte8：保留 0x00** | | | | | | | | | | | |
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1. **批注功能-数据格式定义：**

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| 批注功能 | |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **场景功能** | **批注模式** | **IN** | **Byte1** | **Byte2** | **Byte3** | **Byte4** | **Byte5** | **Byte6** | **Byte7** | **Byte8** | | **包头** | **包头** | **开关** | **保留** | **笔迹粗细** | **红色比例** | **绿色比例** | **蓝色比例** | | **Byte1：书写模式包头固定0xA1**  **Byte2：书写模式包头固定0xC1**  **Byte3：画板开关，开0x01、关0x00**  **Byte4：保留 0x00**  **Byte5：5种笔迹粗细，粗细1-5档：0x01-0x05 。0x00默认粗细2档**  **Byte6：三原色比例\_红色比例；**  **Byte7：三原色比例\_绿色比例；**  **Byte8：三原色比例\_蓝色比例；** | | | | | | | | | | | |
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| |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **场景功能** | **橡皮擦模式** | **IN** | **Byte1** | **Byte2** | **Byte3** | **Byte4** | **Byte5** | **Byte6** | **Byte7** | **Byte8** | | **包头** | **包头** | **开关** | **像素橡皮擦/一键清屏** | **橡皮像素大小** | **保留** | **保留** | **保留** | | **Byte1：橡皮擦模式包头固定0xA2**  **Byte2：橡皮擦模式包头固定0xC2**  **Byte3：橡皮擦开关，开0x01、关0x00**  **Byte4：像素橡皮擦/一键清屏：1.像素橡皮擦/2.一键清屏，0x00默认像素橡皮擦**  **Byte5：橡皮像素大小，1-5档大小0x01-0x05，0x00默认2档大小**  **Byte6-Byte8：保留 0x00** | | | | | | | | | | | |
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1. **语音功能-数据格式定义：**

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| 语音功能 | |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **场景功能** | **语音模式** | **IN** | **Byte1** | **Byte2** | **Byte3** | **Byte4** | **Byte5** | **Byte6** | **Byte7** | **Byte8** | | **包头** | **包头** | **开关** | **保留** | **保留** | **保留** | **保留** | **保留** | | **说明：**  **Byte1：书写模式包头固定0xC1**  **Byte2：书写模式包头固定0xC2**  **Byte3：语音开关，开0x01、关0x00**  **Byte4-Byte8：保留 0x00** | | | | | | | | | | | |
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