**Wiegand ITC Instruction**

**Interface instruction of Wiegand module**

 **The structure of Wiegand is like below, which should be fixed at the top of the shield inside：**



**Figure 1**

**There are 2 4pin terminals connecting the camera and the Wiegand Module：**

**A, B —— RS485 of Wiegand module, connecting to the RS485 of camera**

**G, 12V —— The power of Wiegand module, connecting to the 12V output of the POE module inside the shield, as figure 2**

**G, D0, D1 —— The Wiegand 26bit data output of the device, connecting to the Wiegand input G, D0, D1 of the Access control mainframe**



**图2**

**Notice:**

**1, The Wiegand output only support Wiegand 26bit. Wiegand 34bit cannot support.**

**2, The transform and Wiegand output is defaulted and automatic supported. The plate number would be transformed to SHA-1 code.**

**3, The device only support POE+ power.**

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**SHA-1 code:**

**Use Paxton.Net2.ANPR.Algorithm.exe like below:**

**Input the original plate number and get the Wiegand 26bits result.**

**For example: input plate number *ABC123*, the Wiegand 26bit value is *7573608*.**

