a) FaceVACS Sentry is a face recognition machine that contains 2 cameras and 1 RFID reader. When a RFID card is detected, the preset parameters associate to specific RFID will determine either the low or the high camera to capture images.   The captured image will be compared with the database to perform face identification to verify whether the face in front of the device match the database stored face.

b) Same as part a).

c) When the RFID card is detected by the device, the card number signal will send back to daughter board via RS485 signal with baud rate 9600. Then the daughter board will send back the signal to system main board via RS232 with baud rate 9600. After that the system main board will trigger the wall mount unit to start capture and display some text on screen. To trigger text display, the main board will send RS232 sign with baud rate 2400 to daughter board. Then the daughter board will send the same signal to wall mount unit via RS485 with baud rate 2400. The analog video signal will send from camera in wall mount unit to daughter and then back to main board. Then the main board will capture the image with capture card. After all, the captured image will be compared with the database to perform face identification to verify whether the face in front of the device match the database stored face