

Product: mi camera 2k (magnetic mount)
Model: MJSXJ03HL
Firmware: 4.3.2_0220

When sending the command as shown in Figure 1 to the camera through the Mi Home app to use the "other-functions (hl-download-voice)" function, it triggers an exception as shown in Figure 2 (Figure 2 was obtained through the system log information via UART connection), which causes the device to restart. Additionally, by capturing the packets communicated between the camera and the server, it was found that the camera becomes unreachable after receiving the 187,921st packet sent by the server, continuously failing to retransmit, as shown in Figure 3. This also indicates that the device's system has encountered an exception, which will lead to a denial of service for a period of time.

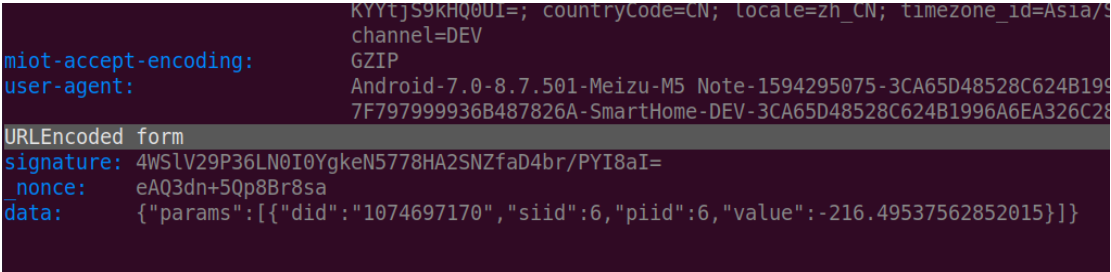


Figure 1 The packets sent by the app that triggers the exception

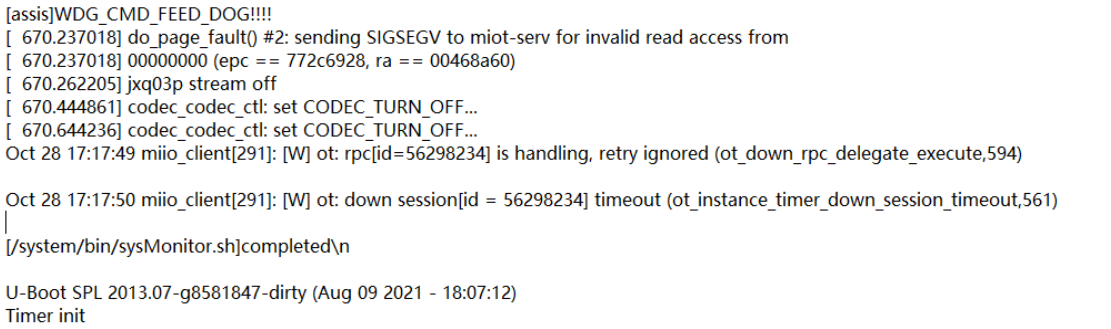


Figure 2 Camera system error log

187911	2023-10-21	13:01:35.6421170...	192.168.1.126	120.92.96.155	TCP	60	44926	443	44926 → 443 [ACK] Seq=5
187921	2023-10-21	13:01:54.0821577...	120.92.96.155	192.168.1.126	TLSv1.2	222	443	44926	Application Data
187922	2023-10-21	13:01:54.3079246...	120.92.96.155	192.168.1.126	TCP	222	443	44926	[TCP Retransmission] 44
187923	2023-10-21	13:01:54.5367045...	120.92.96.155	192.168.1.126	TCP	222	443	44926	[TCP Retransmission] 44
187924	2023-10-21	13:01:54.9930609...	120.92.96.155	192.168.1.126	TCP	222	443	44926	[TCP Retransmission] 44
187925	2023-10-21	13:01:55.9074701...	120.92.96.155	192.168.1.126	TCP	222	443	44926	[TCP Retransmission] 44
187926	2023-10-21	13:01:57.7350438...	120.92.96.155	192.168.1.126	TCP	222	443	44926	[TCP Retransmission] 44

Figure 3 Device and server communication packets