

Imaging Module - SOS Sensor

SOS Sensor

At the beginning of each scan line, the beam is reflected into the Start of Scan (SOS) Sensor Assembly. The sensor consists of a photodiode and an amplifier. The SOS Sensor generates the SOS Signal and sends it to the ROS Drive PWB. The ROS Drive PWB uses this signal to synchronize fast scanning and to monitor ROS Assembly problems. If the interval between consecutive SOS Signals becomes longer or shorter than the required time, the ROS Drive PWB sends an SOS Error signal to the IOT PWB and a Fault Code is declared if the interval is too short and Fault Code if the interval is too long).

