
Introductions on External Sync Functions for L640 Thermal Imaging Modules

- Brief introductions on external sync mode :

Sync Mode	Module Working Mode	EXT_SYNC Status	Frequency
Self-Sync 0x00	Module self-sync	High resistance	10-50Hz, configurable
External Sync 0x02	External sync for module receiving	Input	10-50Hz
Self-Adaptive Mode 0x03	The module will perform self-sync if no external sync signal is input; The module will work according to external sync pulse if external signals are input	Input	10-50Hz

The module self-sync means the module will operate continuously and output image at the set frequency without being affected by external devices;

The external sync for module receiving means the module starts operating and outputs a frame of image only after receiving an external pulse signal (detecting the rising edge of the external sync signal as the trigger edge), and then waits for the next pulse signal.

- The related commands are as follows:

Read external sync mode and frequency:

Send: AA 05 01 A3 00 01 54 EB AA

Return: 55 05 A3 33 **00 32** 62 EB AA (Mode: 00; Frequency 0x32)

Set external sync mode and frequency:

Send: AA 06 01 A3 01 **00 32** 87 EB AA (Mode: 00; Frequency 0x32)

Return: 55 04 A3 33 01 30 EB AA