



Revision: A

chroma+scan 3x00 Release Notes

Version 4.11.12.8 (previous version: 4.11.11.50)

New Features:

Encoder Diagnostic Message

This release contains a new message type for batched encoder and timestamp readings. The format of this encoder message is described in the latest revision of the manual. The number of readings in a single message is controlled by the field '*EncoderBatchSize*' in the server settings file. If the batch size is set to 0, the encoder message output is disabled. If the batch size is set to a non-zero value (minimum is 10), the encoder message will be sent as part of *Web* or *Detection* mode messages and can be identified by its type (15). *ChromaScan3x00.h* and the sample application (included in the release) have been updated to include macros and examples for accessing the encoder message contents. The encoder and timestamp readings will be provided at the profile speed (2kHz or 2.5kHz depending on the sensor model).

To edit the '*EncoderBatchSize*' setting: If the server does not contain a *Settings.xml* file, a new file containing this field will be created immediately after *kClient* connects to the server(s). If the server already contains a *Settings.xml* file, this field will be created in the file if the following procedure is done: run *kClient* and connect to the server(s), change any setting in the system setup tab, and run *Detection* or *Web* mode. *Settings.xml* should now contain the field '*EncoderBatchSize*' in the setup section. Note that *kClient* should be disconnected from the server(s) before editing *Settings.xml*.

Configurable Station Latency

Previously, the station would buffer outgoing messages before sending data to the client(s), which could result in high message latencies on the client end. We now offer a low latency mode that significantly reduces the buffering behaviour. This is configurable through the '*Latency Mode*' filter (Standard or Low) on the system sampling page. Note that low latency mode may use more station resources.

Fixes:

Profiling Camera Resets

Previously, C-series profiling cameras were not resetting correctly after a camera desync, resulting in a loss of data from the sensor. This release contains a fix for this issue.

