Quick Client View of U-CON profile for Keyence CV3002:

1. Initial values are preloaded from scratch buffers in U-CON and do not come from the controller.
2. Typically host applications do not continuously poll high speed camera controllers thus the profile is very much command driven. This means U-CON will NOT send a Read or Write command unless a value is written to the appropriate "Send[r/w]Command" in the profile. The only exception to this (in this U-CON profile) is the M0 command which is sent to the controller at 1 second intervals to request Output Measurement result data (same data available from most recent Trigger). Refer to the Group called "Meas_Output_M0_polled" to review more closely.
3. To read the DataValue for Memory location 000, write any value to the SendReadCommand highlighted below. To read the Data Value for Memory location 001, first write a 001 (all 3 characters please) to Mem_nnn, then write any value to the **SendReadCommand** highlighted below. To write a new Data Value, write the new value (11 characters) to the DataValueW tag, then write any value to the SendWriteCommand.
4. If the appropriate information is not set prior to issuing a command to the controller then it will respond with an ER code.