

## Parameter-Checklist for Automotive Video Projects

Please make sure that you select the right parameters depending on your device, **not all** video devices support them.

|                     |                                 |                                     |                                     |                                     |
|---------------------|---------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| General Information | Customer name:                  |                                     |                                     |                                     |
|                     | Technical contact person:       |                                     |                                     |                                     |
|                     | Project title:                  |                                     |                                     |                                     |
|                     | Expected use case:              |                                     |                                     |                                     |
| Technical basics    | Planned quantity of hardware:   |                                     |                                     |                                     |
|                     | Desired test hardware format:   | <input type="checkbox"/> Box (GigE) | <input type="checkbox"/> PCIe Card* | <input type="checkbox"/> PXIe Card* |
|                     | Number of Video inputs on UUT:  |                                     |                                     |                                     |
|                     | Number of Video outputs on UUT: |                                     |                                     |                                     |

Some parameters are not supported by all our video devices. Please be not confused when unnecessary information is requested for your project. Please give us as much information as possible about your project. Only in This way we can create an offer that fits your application.

\* Only available for Series 62 (Video Dragon 2)

\*\* The **Dragon Suite** software is provided free of charge to our customers to help them work with their Göpel Video devices. This includes configuring the device, generating and capturing images and videos, sideband communication as well as various IO and CAN functions.

In addition, the tool offers additional features that are available as a paid **Dragon Suite Advanced** (such as Script Interface and Raw Data Recording) and are constantly being further developed. If you have any additional expansion requests, please contact our support team: [ats.support@goepel.com](mailto:ats.support@goepel.com).

\*\*\* We are delighted to support our customers in the start-up and development of their applications. In case of increased effort, we will offer you a fee-based support.

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|                            |                                      |                                      |                                       |                                      |  |
|----------------------------|--------------------------------------|--------------------------------------|---------------------------------------|--------------------------------------|--|
| Hardware Information       | <input type="checkbox"/> Input       |                                      | <input type="checkbox"/> Output       |                                      |  |
|                            | Source / Sink IC                     |                                      |                                       |                                      |  |
|                            | Video connector type                 |                                      |                                       |                                      |  |
|                            | Pinning of video connector:          |                                      |                                       |                                      |  |
|                            | Power supply of UUT via video cable: | Yes<br><input type="checkbox"/>      | No<br><input type="checkbox"/>        |                                      |  |
| Video Parameters           | Pixel clock:                         |                                      |                                       |                                      |  |
|                            | Image width:                         |                                      |                                       |                                      |  |
|                            | Image height:                        |                                      |                                       |                                      |  |
|                            | Frame rate:                          |                                      |                                       |                                      |  |
|                            | Horizontal Sync Polarity:            | <input type="checkbox"/> High        | <input type="checkbox"/> Low          |                                      |  |
|                            | Vertical Sync Polarity:              | <input type="checkbox"/> High        | <input type="checkbox"/> Low          |                                      |  |
|                            | Data Enable Polarity:                | <input type="checkbox"/> High        | <input type="checkbox"/> Low          |                                      |  |
|                            | Pixel Clock Polarity:                | <input type="checkbox"/> High        | <input type="checkbox"/> Low          |                                      |  |
|                            | Lock Output Enable:                  | <input type="checkbox"/> High        | <input type="checkbox"/> Low          |                                      |  |
|                            | Lock Polarity:                       | <input type="checkbox"/> High        | <input type="checkbox"/> Low          |                                      |  |
|                            | Video format:                        |                                      |                                       |                                      |  |
|                            | Number of video channels per stream: |                                      |                                       |                                      |  |
| Sideband Communication     | HDCP:                                | <input type="checkbox"/> Yes         | <input type="checkbox"/> No           |                                      |  |
|                            | I <sup>2</sup> C:                    | <input type="checkbox"/> Yes         | <input type="checkbox"/> No           |                                      |  |
|                            | UART:                                | <input type="checkbox"/> Yes         | <input type="checkbox"/> No           |                                      |  |
|                            | SPI:                                 | <input type="checkbox"/> Yes         | <input type="checkbox"/> No           |                                      |  |
|                            | MII:                                 | <input type="checkbox"/> Yes         | <input type="checkbox"/> No           |                                      |  |
|                            | CAN:                                 | <input type="checkbox"/> Yes         | <input type="checkbox"/> No           |                                      |  |
| Chip dependent Information | <b>Texas Instruments</b>             |                                      |                                       |                                      |  |
|                            | FPD Link:                            | <input type="checkbox"/> FPD Link II | <input type="checkbox"/> FPD Link III | <input type="checkbox"/> FPD Link IV |  |
|                            | Backward compatible mode:            | <input type="checkbox"/> Yes         | <input type="checkbox"/> No           |                                      |  |
|                            | Low frequency mode:                  | <input type="checkbox"/> Yes         | <input type="checkbox"/> No           |                                      |  |
|                            | FPD Link III Transfer Mode:          | <input type="checkbox"/> Single Lane | <input type="checkbox"/> Dual Lane    |                                      |  |
|                            | Additional Information:              |                                      |                                       |                                      |  |