

**oToBrite**



# GMSL2 Repeater

## Overview

The GMSL2 repeater acts to extend the transmission distance. The device contains one GMSL2 input and one GMSL2 output port.

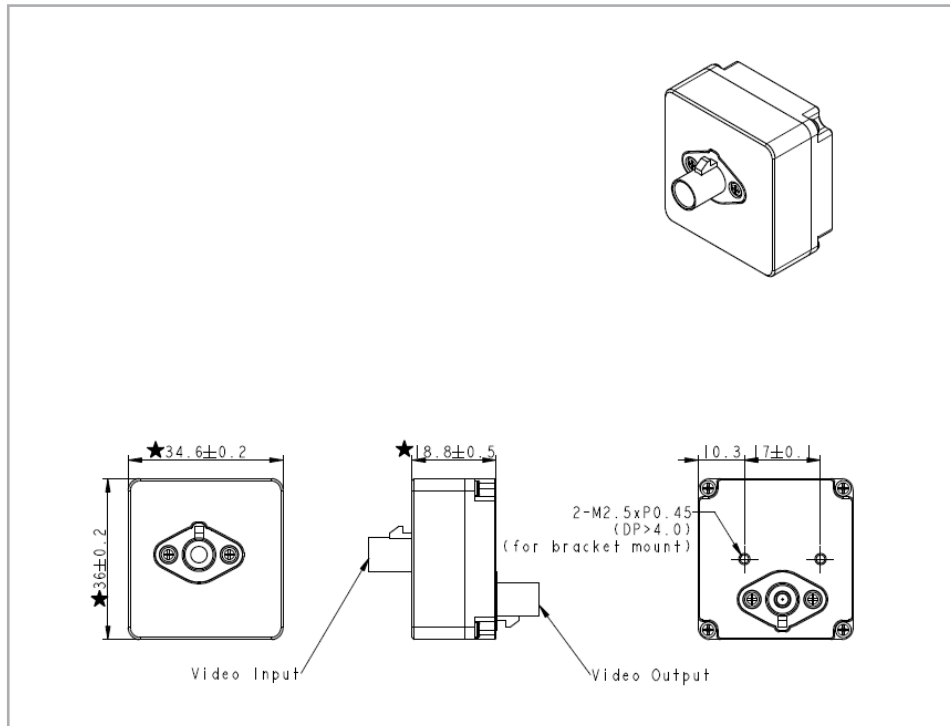
## Specifications

### • General Specifications

| Item                      | Specifications                                    | Remark                                                                                                         |
|---------------------------|---------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| Video Input               | GMSL2 (MAX9296), FAKRA                            | Initialization setting through backward channel (I2C interface, 0x94)                                          |
| Video Output              | GMSL2 (MAX9295A), FAKRA                           | Initialization setting through backward channel (I2C interface, 0x84)                                          |
| Power Source              | 10.5 ~ 17V DC (POC)                               | Bypass from Serializer to Deserializer POC                                                                     |
| POC Impedance             | 1.3 ohm Max                                       |                                                                                                                |
| GMSL type                 | GMSL2                                             |                                                                                                                |
| Connector                 | Fakra Type Z                                      |                                                                                                                |
| Data Rate Supported       | 6Gbps                                             |                                                                                                                |
| Power Consumption         | 1.3W Max                                          | Not including the camera power consumption                                                                     |
| Operating Temperature     | -40°C ~ +85°C                                     |                                                                                                                |
| Storage temperature Range | -40°C ~ +95°C                                     |                                                                                                                |
| Waterproof                | IP69K (under the certain condition as the remark) | The repeater would be IP69K when the fakra connector is connected to the cable connector capable of the IP69K. |
| Dimension (mm)            | 34.6mm*36mm*18.8mm                                |                                                                                                                |
| Cable length              | <=15M                                             |                                                                                                                |

## Outline Drawing

- GMSL2 Repeater Mechanical Dimensions



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