# **HD-SDI INTERFACE BOARD**

## FOR TAMRON MP1010-VC Module







More than a video transmission module, the Twiga HD-SDI interface board for Tamron MP1010M-VC has been designed to be the heart of your industrial vision system.

Thanks to our 3G/HD-SDI module, you will be able to transfer HD video in real time to deliver staggering picture quality.

### **FEATURES**

- o Support MP1010M-VC LVDS video input
- o SMPTE 292M HD-SDI video output
- Ultra-low jitter
- Automatic camera detection
- Video mode selection by DIP switches\*
- o TTL or RS232 VISCA dialog level
- 6 to 12VDC protected and EMC filtered power supply
- o BNC 75 ohm connector- SMB or MCX option

### Perfect HD-SDI image quality

HD-SDI technology is the first established standard that provides sufficient bandwidth to allow uncompressed transmission of high-definition video signals (up to 1080p30) from camera to screen.

#### OEM embedded image processing functions

The Twiga HD-SDI module is based on a powerful Xilinx FPGA. On request, image processing functions such as colorimetry tests, measurements, reticles, contrast enhancement, ROI extraction, OSD and even more functions can be applied to the image flow in real time.

#### Cost effective and easy installation

Upgrading existing SD video systems to HD is a cost-effective way to bring high resolution video without any significant modification of existing coaxial cables.

Only front-end and back-end products need to be replaced.

Hence, the number of cameras needed to capture vivid details such as facial features or license plate is largely reduced. This approach increases time efficiency while also cutting costs.

## **TARGET APPLICATIONS**



Medical imaging Low vision

Traffic / Rail / Transport

Defence / Security / Aerospace

Sport Entertainment Broadcast

<sup>\*</sup> The camera need to be restarted

## Onboard Connectors





