

ARCHITECTURAL AND ENGINEERING SPECIFICATION

PRODUCT: MX-3GSDI-IB

FUNCTIONAL OVERVIEW

MX-3GSDI-IB is a 3G-SDI video input I/O board for Lightware MX-FR series modular matrix frames. It provides an SDI input interface to the matrix and supports SD-SDI, HD-SDI, and 3G-SDI formats for routing within the frame. The board is used as part of an MX-FR system controlled by the installed processor/control functions of the frame.

VIDEO INPUT

- Connector type: BNC
- AV standard: 3G-SDI
- Color depth: 10 bit / Y, 10 bit / CbCr, 12 bit RGB)
- Color space: 20 bit
- Supported video formats: SD-SDI, HD-SDI, 3G-SDI

AUDIO CAPABILITIES

- Audio formats: 8 channel PCM

GENERAL

- Compliance: CE, UKCA
- EMC (emission): EN 62368-1:2024
- EMC (immunity): EN 55035:2017+A11:2020
- RoHS: EN 63000:2018
- Electrical safety: EN 60065:2002 + A1:2006 + A11:2008 + A2:2010 + A12:2011
- Laser safety: EN 60825-1:2014+A11:2021
- Warranty period: 3 years.

DOCUMENT REVISION HISTORY

Document	Release Date	Changes	Checked by
v1	2026-08-24	Initial version	Tamas Forgacs