

KVM Add-On

3G-SDI-DVI-Converter 7.2

KVM Add-On

Value adding solutions for your KVM an IT applications



Leading the way in digital KVM



Leading the Way in digital KVM

Guntermann & Drunck GmbH has been established in 1985 and is named after its founders. Over 25 years have since past, and we are now a leading manufacturer of digital and analog KVM switching systems.

As an owner-managed company we work with a broad range in both digital and analog KVM closely with the marketplace and make our decisions with and in the interests of our customers. It is our philosophy to meet our customers while making decisions, to accompany them in the process and ensure that they achieve their goals.

We can do this because as a medium sized company we have short communication paths and all core competencies are in house – from development through to production. This way we can even make the impossible possible at times. If it is thanks to the modularity of the products or by implementing a customised solution. We orient ourselves towards the needs of the customer – and not the other way round.

Organisations, service providers and companies of all sizes managing numerous computers, servers and other network devices trust the comprehensive advice and service provided by Guntermann & Drunck GmbH.

Thanks to these different fields of specialisation, the demands placed on the products are many and are manifold. Our products have to provide a long-life service, be secure, uncomplicated, user-friendly, understandable and adaptable.

The high-quality 3G-SDI-DVI-Converter enables broadcast professionals to transform SDI to DVI signals. This way it offers an optimal solution for many broadcast applications, e.g. live broadcastings, in post-production, in OB vans or studio areas.

The Converter simplifies the system operation and makes now the work of broadcasters much easier. According to the customer requirements the system converts SD, HD-SDI and 3G SDI signals to single-link DVI signals. Therefore in the broadcast often used signals can be transformed and connected to the G&D DVI Matrix switches or DVI KVM Extender at any time. This way the SDI video sources can be shown at a DVI monitor.

The 3G SDI to DVI Converter from G&D is a reliable high-quality device providing optimised functions and intuitive operation. In addition to the easy operation it offers an integrated audio interface for optimal synchronized video and audio presentation.



3G-SDI-DVI-Converter front view

Features

Video

- supports the following signals on the input side: SD-SDI, HD-SDI und 3G-SDI
- allows you to display an SDI image source at a DVI display
- SDI interface operates at bitrates: 2.970 Gbit/s, 2.970/1.001 Gbit/s, 1.485 Gbit/s, 1.485/1.001 Gbit/s und 270 Mb/s
- supported range: SDI input distance up to 100m (3G-SDI), 200 m for HD-SDI signals and up to 300 m for SD-SDI signals
- auto-detection of the connected video source as well as
- integrated audio

Supported SDI input modes:

- SD-SDI (SMPTE 259M-C, at bitrates of 270 Mbit/s)
- HD-SDI (SMPTE 292M, at bitrates of 1.485 Gbit/s and 1.485/1.001 Gbit/s)
- 3G-SDI (SMPTE 424M/425M-AB, at bitrates of 2.970 Gbit/s and 2.970/1.001 Gbit/s)

Variants

- There are no variants and no expansions available for this product.

Installation

The 3G-SDI to DVI Converter picks up the video signals of the connected device periphery and transformed them into single-link DVI signals.

3G-SDI-DVI-Converter



left: 3G-SDI-DVI-Converter front view
right: 3G-SDI-DVI-Converter rear view

3G-SDI-DVI-Converter	
Interfaces	
Input	1× BNC (SD-SDI/HD-SDI/3G-SDI)
Output	1× DVI, 1× 3.5mm phone jack
Video	
SDI Transmission Rates	2.970 Gbps, 2.970/1.001 Gbps, 1.485 Gbps, 1.485/1.001 Gbps, and 270 Mbps
Video Bandwidth	225MHz/6.75Gbps
SDI Input Supports	480i, 576i, 720p @60 Hz 1080i@60 Hz 1080p@60 Hz
DVI Output Supports	480i, 576i, 720p@60 Hz 1080i@60 Hz 1080p@60 Hz
Casing	
Material	Aluminum
Dimensions (WxHxD)	78.5mm × 30mm × 124mm
Weight	194 g
Power	
Typ	External power
Power Supply	5V DC, 2.6A
Operating conditions	
Temperature	0 bis +40 °C
Humidity	<90% non-condensing
Conformity	CE, FCC, UL

























Art. no.	Description
A3110010	3G-SDI-DVI-Converter

Legend

ABBREVIATIONS

CPU	=	Computer module	M	=	Multimode
PC	=	Computer module	S	=	Singlemode
CON	=	User module	RM	=	For assembly in a 19" rack
REM	=	User module	DT	=	Available as desktop variant
MC2	=	Multichannel 2	A	=	Audio
MC3	=	Multichannel 3	AR	=	Audio + RS232
MC4	=	Multichannel 4	R	=	RS232
			U	=	transparent USB 1.1
			U2	=	transparent USB 2.0
			D	=	Delay

EQUIPMENT FEATURES

 = keyboard/mouse	 = VT100
 = dual-link DVI video	 = KVM IP access
 = single-link DVI video	 = Network connection
 = single-link DVI + VGA	 = Web interface
 = VGA video	 = DevCon support
 = Audio	 = Monitoring
 = RS232	 = CAT cable
 = USB 1.1	 = Fiber optics
 = USB 2.0	 = Single user
 = Delay	 = Multi user
 = Screen Freeze	 = Separat local/remote user
 = Power Switching	
 = Fire Wire	