

1T-HDMI-DVI 1T-DVI-HDMI

HDMI/DVI Format Converters

Key Features 1T-HDMI-DVI/DVI-HDMI

- Excellent Video Quality via HDMI/DVI interface
- Automatic Input Format Detection
- Plug and Play for easy installation
- Coaxial Audio Support (S/PDIF)
- Operation Frequency to 165Mhz



1T-HDMI-DVI converts HDMI compliant signals to Digital DVI format signals enabling display on digital HDTV monitors or input to DVI switcher devices. HDMI inputs are transformed to RGB Digital signals. **1T-DVI-HDMI** converts a Digital DVI signal to an HDMI compliant output allowing the viewing or switching of a DVI signal on an HDMI system.

These units are Format Converters only and no video scaling takes place. The output resolution is the same as the input. For both products, all standard HDTV and most computer resolutions are supported from 480i through 1080p and VGA through UXGA. Coaxial audio (S/PDIF) is available for superior performance and input format auto-detection is used to simplify operation. Both models are 5VDC powered and the Power Adapters are included. Locking DC Connectors are provided for security.

1T-FC-524 1T-FC-425

DVI-RGB/YPbPr Format Converters

Key Features 1T-FC-524, 1T-FC-425

- Analog to Digital or Digital to Analog
- HDTV resolutions to 1080p
- SDTV resolutions of 480i and 576i
- PC resolutions up to 1920 x 1200
- Plug and Play for Easy Installation
- DVI Bandwidth to 1.65Gbps (Single Link)
- Operation Frequency to 165Mhz



1T-FC-524 converts analog RGBHV or Component YPbPr inputs to DVI signals, enabling their display on DVI or HDTV monitors or other devices. An analog YPbPr input can be converted to either digital YPbPr or RGBHV. An analog RGBHV input can be converted to digital RGBHV only.

1T-FC-425 converts DVI to RGBHV or Component YPbPr, enabling viewing on analog displays or other devices. A DVI input can be converted to either analog RGBHV or YPbPr.

These units are Format Converters only and no video scaling takes place. The output resolution is the same as the input. All standard HDTV resolutions are supported on both products from 480p through 1080p, plus SDTV resolutions of 480i and 576i. PC resolutions up to 1920x1200 are supported. Both models are 5VDC powered and the Power Adapters are included. Locking DC Connectors are provided for security.

Format Converters without Scaling

Distributor / Vertrieb:

VIDELCO – Professionelle Audio- Video- Medien-Technik!
Tel.: +49 (0)2102 / 86 39-00 • Fax: +49 (0)2102 / 86 39-17 • info@videlco.eu • www.videlco.eu

1T-HDMI-DVI/DVI-HDMI Specifications

Video Inputs

1T-HDMI-DVI	1x HDMI via HDMI Connector
1T-DVI-HDMI	1x DVI via DVI-I Connector

Audio Inputs

1T-DVI-HDMI	1x SPDIF Coaxial via RCA
-------------	--------------------------

Video Outputs

1T-HDMI-DVI	1x DVI via DVI-I Connector
1T-DVI-HDMI	1x HDMI via HDMI Connector

Audio Outputs

1T-HDMI-DVI	1x SPDIF Coaxial via RCA
-------------	--------------------------

HD I/O Resolutions (YPbPr)

Interlaced (50&60Hz)	480i, 576i, 1080i
Progressive (50&60Hz)	480p, 576p, 720p, 1080p
Special (24 to 30Hz)	1080p@24, 1080p@25, 1080p@30

PC I/O Resolutions (RGBHV)

VGA, SVGA, XGA	60, 72, 75, 85 Hz
XGAi	87 Hz
SXGA	60, 75, 85 Hz
UXGA	60 Hz
1152x864	70, 75, 85 Hz

Compliance

HDMI	Version 1.0
DVI	Rev 1.0

Mechanical

Size (H-W-D)	30x76x105mm (1.2"x3.0"x4.1")
Weight (Net)	200 g (0.43 lbs)

Warranty

Limited Warranty	3 Years Parts and Labor
------------------	-------------------------

Environmental

Operating Temperature	0° to +50° C (+32° to +122° F)
Operating Humidity	10% to 90%, Non-condensing
Storage Temperature	-10° to +60° C (+14° to +140° F)
Storage Humidity	10% to 90%, Non-condensing

Power Requirement

External Power Supply	5VDC@2A
-----------------------	---------

Regulatory Approvals

Converter Unit	FCC, CE, RoHS
Power Supply	UL, CUL, CE, PSE, GS, RoHS

Accessories Included

1x Power Adapter	US, UK or Euro
1x Operations Manual	

Product Item Numbers

1T-HDMI-DVI, 1T-DVI-HDMI

1T-FC-524, 1T-FC-425 Specifications

Video Inputs

1T-FC-524	1x RGB/YPbPr via HD-15
1T-FC-425	1x DVI-D via DVI-I Connector

Video Outputs

1T-FC-524	1x DVI-D via DVI-I Connector
1T-FC-425	1x RGBHV/YPbPr via HD-15

Component Signal I/O

Y Component	1V p-p@75Ω
Pb/Pr Component	0.7V p-p@75Ω
RGBHV Signal I/O	

R-G-B 0.7V p-p@75Ω

HV Sync 3-5V p-p@75Ω

Frequency and Bandwidth

Frequency	Up to 165Mhz
DVI Bandwidth	1.65Gbps (Single Link)

PC I/O Resolutions

VGA	640x480	60, 72, 75, 85Hz
SVGA	800x600	56, 60, 72, 75, 85Hz
XGA	1024x768	60, 70, 75, 85Hz
Mac	1152x864	70, 75, 85Hz
SXGA	1280x1024	60, 75, 85Hz
UXGA	1600x1200	60Hz
WUXGA	1920 x 1200	60Hz (154Hz Reduced Blanking)

SDTV I/O Resolutions

480i	720x480	60Hz (NTSC)
576i	720x576	50Hz (PAL)

HDTV I/O Resolutions

480p	720x480	60Hz
576p	720x576	50Hz
720p	1280x720	50, 60Hz
1080i	1920x1080 (i)	50, 60Hz
1080p	1920x1080 (p)	24, 25, 30, 50, 60Hz

1T-FC-524 Input Format Switch

YPbPr	Select when the input is YPbPr
RGBHV	Select when the input is RGBHV

1T-FC-524 Output Format Switch

Analog Input	Setting	Output Signal
YPbPr	Bypass or RGB	Digital YPbPr or RGB
RGBHV	Bypass or RGB	Digital RGB Only

1T-FC-425 Output Format Switch

Digital Input	Setting	Output Signal
YPbPr	YPbPr	Analog YPbPr
RGBHV	RGBHV	Analog RGBHV

Compliance

DVI	Rev 1.0
-----	---------

Mechanical

Size (H-W-D)	30x76x105mm (1.2"x3"x4.1")
Weight (Net)	200 g (0.43 lbs)

Warranty

Limited Warranty	3 Years Parts and Labor
------------------	-------------------------

Environmental

Operating Temperature	0° to +50° C (+32° to +122° F)
Operating Humidity	10% to 90%, Non-condensing
Storage Temperature	-10° to +60° C (+14° to +140° F)
Storage Humidity	10% to 90%, Non-condensing

Power Requirement

External Power Supply	5VDC@2A
-----------------------	---------

Regulatory Approvals

Converter Unit	FCC, CE, RoHS
Power Supply	UL, CUL, CE, PSE, GS, RoHS

Accessories Included

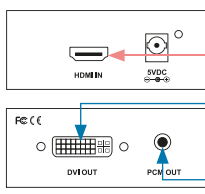
1x Power Adapter	US, UK or Euro
1x Adapter Cable	HD-15 to 3 RCA
1x Operations Manual	

Product Item Numbers

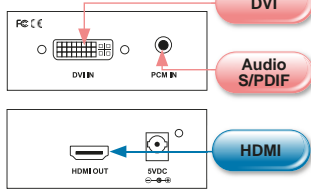
1T-FC-524	RGBHV/YPbPr to DVI
1T-FC-425	DVI to RGBHV/YPbPr



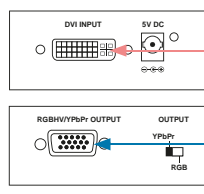
1T-DVI-HDMI



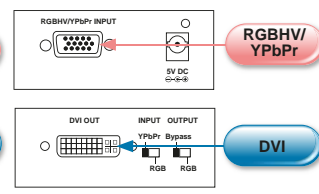
1T-DVI-HDMI



1T-FC-425



1T-FC-524



Distributor / Vertrieb:

VIDELCO – Professionelle Audio- Video- Medien-Technik!

Tel.: +49 (0)2102 / 86 39-00 • Fax: +49 (0)2102 / 86 39-17 • info@videlco.eu • www.videlco.eu