

DVICOMP-IS

HDMI/DVI-to-PAL/NTSC/RS-170 stand-alone scan converter



**Advanced Micro
Peripherals**

THE EMBEDDED VIDEO EXPERTS

The DVICOMP-IS is an intelligent stand-alone scan converter that accepts a HDMI/DVI input at up to 1280x1024 and converts it to broadcast quality PAL/NTSC/RS-170 composite video.



The DVICOMP-IS features high speed digital signal capture, video scaling, frame rate conversion and timing generation. Processing and scaling is performed in the digital domain for maximum quality before the video data is sent to a video encoder for conversion to broadcast quality composite PAL/NTSC/RS-170. This provides seamless and automatic conversion of HDMI/DVI to PAL/NTSC/RS-170 composite video.

The DVICOMP-IS is an intelligent stand-alone device with its own on-board MPU and does not require a host CPU or any driver software. For mechanical convenience the module can be mounted on a PCI-104 stack without consuming host CPU resources.

Rev A.03

Subject to change without notification

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Convert
HDMI/DVI
to

PAL / NTSC / RS-170

 **PC/104**
Embedded PC Modules

DVICOMP-IS

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On-board
MPU
for
Intelligent,
Stand-alone
Operation

Applications

Aerospace instrumentation
Instrument panel
Multi-function display (MFD)
Situational Awareness
Remote Video Surveillance
Naval/Marine instrumentation
Border Security
Traffic Monitoring and Control
Video Acquisition and Analytics

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PC/104

Embedded PC Modules

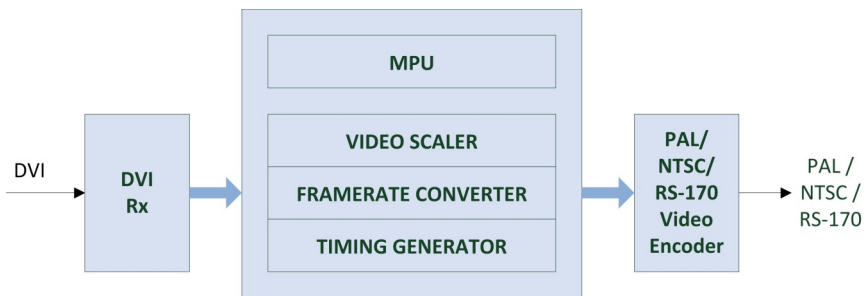
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DVICOMP-IS Functional Diagram

Aerospace and
Marine
Instrumentation

Border
Security

Features

- Converts HDMI/DVI to PAL/NTSC/RS-170
- Supports DVI input at up to 1280x1024 @ 60Hz
- Composite PAL, NTSC, or RS-170 output
- Single +5V power supply
- Stand-alone operation
- Operating system neutral
- Standard PCI-104 mechanical form factor

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PC/104

Embedded PC Modules

Digital Video Input

HDMI/DVI at standard VGA resolutions:
 1280x1024,
 1024x768
 800x600

Analog Video Output

Supported output standards:
 CCIR601-NTSC
 RS170
 CCIR-PAL
 PAL-B, PAL-G, PAL-H, PAL-I
 Composite video output

Miscellaneous

Intelligent stand-alone module, does not require host computer
 Standard 3.8 x 4.5in PCI-104 form factor (with I/O extension area)
 Mechanical mounting for PCI-104 stack
 Single +5V supply
 Operating temp 0°C to 60°C
 Operating temp -40°C to +85°C (extended temp option)

Ordering Information

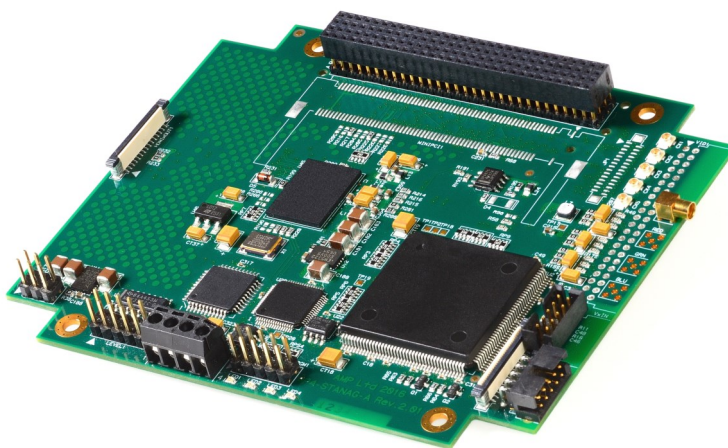
- DVICOMP-IS-PAL**
HDMI/DVI to PAL scan converter (0 to 60°C)
- DVICOMP-IS-PAL-EXT**
HDMI/DVI to PAL scan converter (-40°C to +85°C)
- DVICOMP-IS-NTSC**
HDMI/DVI to NTSC scan converter (0 to 60°C)
- DVICOMP-IS-NTSC-EXT**
HDMI/DVI to NTSC scan converter (-40°C to +85°C)
- DVICOMP-IS-RS170**
HDMI/DVI to RS-170 scan converter (0 to 60°C)
- DVICOMP-IS-RS170-EXT**
HDMI/DVI to RS-170 scan converter (-40°C to +85°C)
- DVICOMP-IS-PAL-MONO**
HDMI/DVI to monochrome PAL scan converter (0 to 60°C)
- DVICOMP-IS-PAL-MONO-EXT**
HDMI/DVI to monochrome PAL scan converter (-40°C to +85°C)

Cable-DVICOMP

DVI input cable set for DVICOMP-IS comprising of:
 1x 150mm FlatFlex + DVI input adapter
 1x 170mm MMCX-to-BNC output cable.

Cable-DVICOMP-HDMI-PNL

HDMI input cable set for DVICOMP-IS comprising of:
 1x 150mm FlatFlex + HDMI panel mount adapter
 1x 170mm MMCX-to-BNC output cable.



DVICOMP-IS



CABLE-DVICOMP



CABLE-DVICOMP-HDMI-PNL