

# 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.01

Subject to change without notification

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Convert  
HDMI/DVI  
to

PAL / NTSC / RS-170



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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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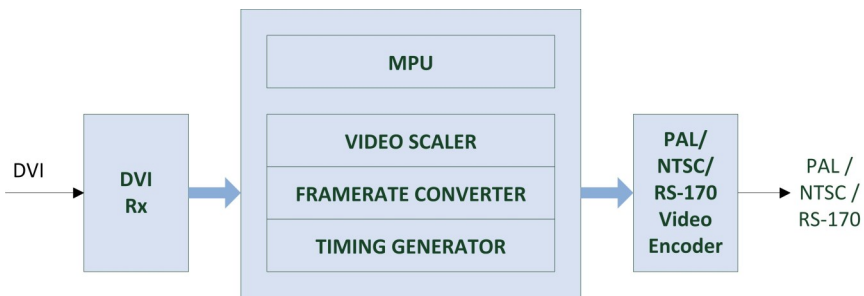
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**DVICOMP-IS Functional Diagram**

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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### Digital Video Input

HDMI/DVI at standard VGA resolutions:

1280x1024,  
1024x768  
800x600  
640x480

### 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

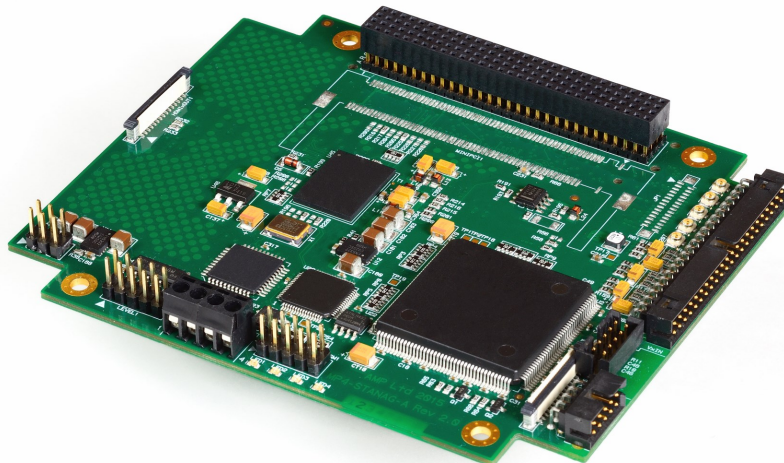
HDMI/DVI to RS-170 scan converter (0 to 60°C)

#### DVICOMP-IS-RS170-EXT

HDMI/DVI to RS-170 scan converter (-40°C to +85°C)

#### Cable-DVICOMP

Cable set for DVICOMP-IS



**DVICOMP-IS**

