

HDMI2COMP-IS-OEM

HDMI/DVI-to-PAL/NTSC/RS-170 intelligent scan converter



**Advanced Micro
Peripherals**

THE EMBEDDED VIDEO EXPERTS

The HDMI2COMP-IS-OEM is an intelligent scan converter that accepts a HDMI/DVI input at up to 1080p30 and converts it to broadcast quality PAL/NTSC/RS-170 composite video.



The HDMI2COMP-IS-OEM 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 HDMI2COMP-IS-OEM is an intelligent device with its own on-board MPU and does not require a host CPU or any driver software.

The HDMI2COMP-IS-OEM is designed to be integrated directly on to a host motherboard for a highly integrated OEM solution.

Rev A.00

Subject to change without notification

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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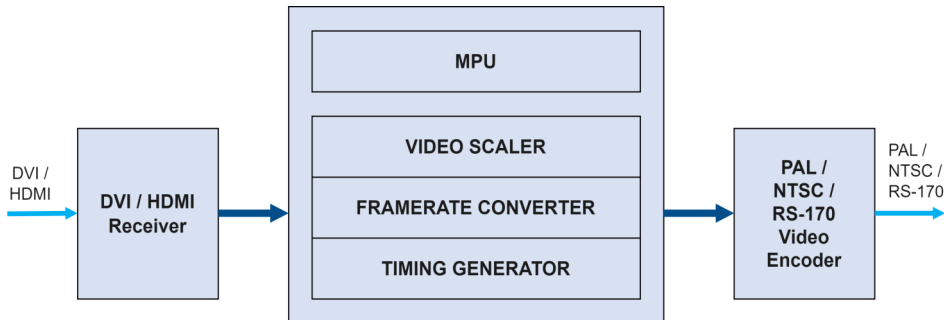
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HDMI2COMP-IS-OEM Functional Diagram

Aerospace and
Marine
Instrumentation

Border

Security

Features

- Converts HDMI/DVI to PAL/NTSC/RS-170
- Supports DVI input at up to 1080p30
- Composite PAL, NTSC, or RS-170 output
- Single +5V power supply
- Intelligent module - no configuration required
- Operating system neutral
- Compact 70mm x 50mm form factor

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Digital Video Input

HDMI/DVI display resolutions of:
1080p30
1280x1024,
1024x768
800x600

Analog Video Output

Supported output standards:
CCIR601-NTSC
RS170
CCIR-PAL
PAL-B, PAL-D, PAL-G, PAL-H, PAL-I
Composite video output
75ohm signal output

Miscellaneous

Intelligent module designed to be integrated
No CPU or driver required
Compact 70mm x 50mm form factor
Single +5V supply
Low power operation: 5V @ <1A
Operating temp -40°C to +85°C

Ordering Information

HDMI2PAL-IS-OEM-EXT

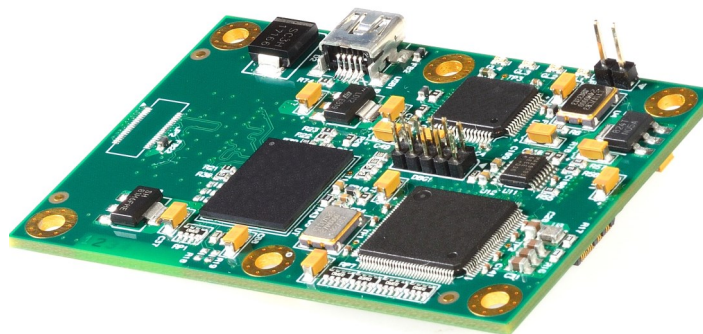
HDMI/DVI to PAL scan converter (-40°C to +85°C)

HDMI2NTSC-IS-OEM-EXT

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

HDMI2RS170-IS-OEM-EXT

HDMI/DVI to RS170 scan converter (-40°C to +85°C)



HDMI2COMP-IS-OEM

