

# STANAGDVI-IS

Stanag3350-to-HDMI/DVI converter



The STANAGDVI-IS is an intelligent stand-alone scan converter that accepts a STANAG3350 Class A/B/C input and converts it to DVI signalling for display on digital flat panels.



The STANAGDVI-IS features high speed analog signal digitization, video scaling, frame rate conversion and a timing generator. This provides seamless and automatic conversion of STANAG3350 Interlaced RGB signals to digital HDMI/DVI output for driving common displays.

The STANAGDVI-IS accepts STANAG3350 video as separate red, green, blue signals with the video synchronization pulse embedded in the green signal.

The STANAGDVI-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.02  
Subject to change without notification

Convert  
STANAG3350  
Class A/B/C  
to  
Digital  
HDMI/DVI

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**Advanced Micro  
Peripherals**

THE EMBEDDED VIDEO EXPERTS



On-board  
MPU  
for  
Intelligent,  
Stand-alone  
Operation

## Applications

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

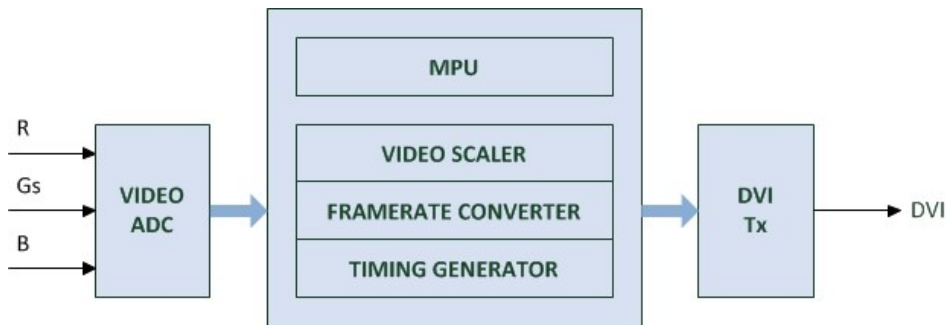
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**STANAGDVI-IS Functional Diagram**

## Features

Converts STANAG3350 Class A/B/C to HDMI/DVI

Separate RGB inputs with sync-on-green

Default resolutions (other resolution available on request):

Class A - 1024x768

Class B - 800x600

Class C - 800x600

Single +5V power supply

Stand-alone operation

Operating system neutral

Standard PCI-104 mechanical form factor

Aerospace and

Marine

Instrumentation

Easily display

STANAG3350 on

DVI Monitors

**Analog Video Input**

Compliant with STANAG3350 Class A/B/C  
 STANAG3350 Class A 875 lines @ 30fps (based on RS-343)  
 STANAG3350 Class B 625 lines @ 25fps (based on PAL)  
 STANAG3350 Class C 525 lines @ 30fps (based on NTSC)  
 Separate Red / Green / Blue input with Sync-on-green  
 3x 10bit analog-to-digital converters

**Digital Video Output**

HDMI/DVI

**Video Output Resolutions**

Factory configured default output resolution:

Class A - 1024 x 768

Class B - 800 x 600

Class C - 800 x 600

Other resolutions available on request

**Miscellaneous**

Intelligent stand-alone module, does not require host computer  
 Standard 3.6 x 3.8in PCI-104 form factor  
 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)

**Related Products**

H264-HD2000 - HD H.264 Compression card for PC/104-Plus

**Ordering Information****STANAGDVI-IS-A**

Stanag3350 Class A to HDMI/DVI scan converter (0 to 60°C)

**STANAGDVI-IS-A-EXT**

Stanag3350 Class A to HDMI/DVI scan converter (-40°C to +85°C)

**STANAGDVI-IS-B**

Stanag3350 Class B to HDMI/DVI scan converter (0 to 60°C)

**STANAGDVI-IS-B-EXT**

Stanag3350 Class B to HDMI/DVI scan converter (-40°C to +85°C)

**STANAGDVI-IS-C**

Stanag3350 Class C to HDMI/DVI scan converter (0 to 60°C)

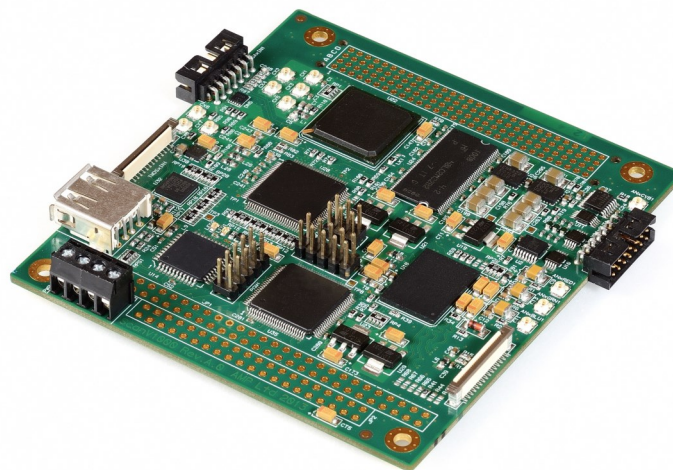
**STANAGDVI-IS-C-EXT**

Stanag3350 Class C to HDMI/DVI scan converter (-40°C to +85°C)

**Cable-STANAGDVI**

Cable set for STANAGDVI-IS

(1x STANAG3350 Input cable, 1x DVI output cable)

**STANAGDVI-IS**