

STANAGCOMP-IS

Stanag3350-to-PAL/NTSC/RS-170 converter



**Advanced Micro
Peripherals**

THE EMBEDDED VIDEO EXPERTS

The STANAGCOMP-IS is an intelligent stand-alone scan converter that accepts a STANAG3350 Class A input and outputs Composite PAL/NTSC/RS-170.



The STANAGCOMP-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 progressive analog Composite output.

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

The STANAGCOMP-IS is an intelligent stand-alone device with it's 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
STANAG3350
Class A
to
Analog
Composite
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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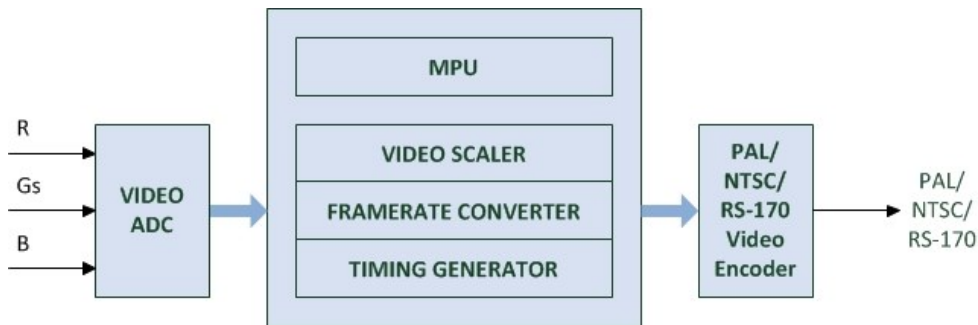
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STANAGCOMP-IS Functional Diagram

Aerospace and
Marine
Instrumentation

Border
Security

Features

- Converts STANAG3350 Class A to standard Composite
- Separate RGB inputs with sync-on-green
- Supports Composite PAL/NTSC output
- Single +5V power supply
- Stand-alone operation
- Operating system neutral
- Standard PCI-104 mechanical form factor

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Analog Video Input

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

Analog Video Output

PAL/NTSC/RS-170 (Composite)
10bit digital-to-analog conversion

Video Output Resolutions

Standard PAL or NTSC

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

STANAGCOMP-IS-A

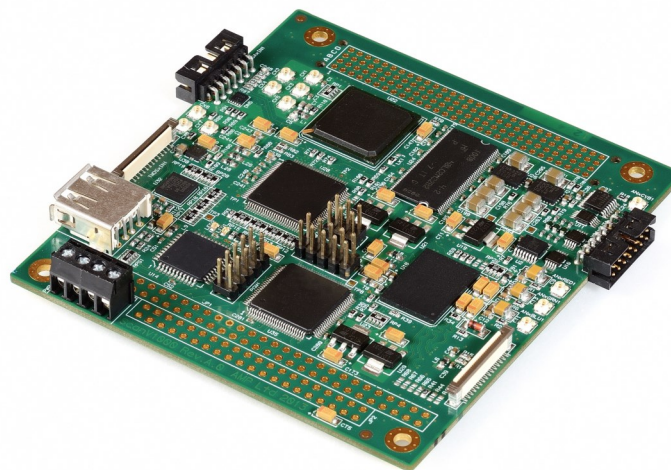
Stanag3350 Class A to PAL/NTSC/RS-170 converter (0 to 60°C)

STANAGCOMP-IS-A-EXT

Stanag3350 Class A to PAL/NTSC/RS-170 converter (-40°C to +85°C)

Cable-STANAGCOMP

Cable set for STANAGCOMP-IS
(3x u.FL-to-BNC coax input cables, 1x Composite output cable)



STANAGCOMP-IS

