



*** AI Tech 2138/ 2139 Lucky Star Board ***

The Lucky Star Board is a generic mini scan converter board about the size of a standard business card. It is a high-quality but low-cost TV-out solution. System developers who have a need for displaying VGA video output onto TV screens can easily integrate it into their systems, be it a digital set-top box or a dedicated PC-like console for multimedia applications.

All the pins for video signal input and output, power supply and chip function controls are conveniently located on one side of the board to facilitate easy integration into any systems with a small housing. Mounting holes are provided for easy mounting onto the main board.

Features

- Customizable mini scan converter board for OEM system designers.
- Fits easily into small housing enclosures providing VGA-to-TV scan conversion functions.
- Board size can be as small as 3(L)x2(W)x1(H) (Inch) or even smaller.
- Powered by AI Tech's most advanced Multi-format Scan Conversion Encoder chip, the AIT2138, which offers superior digital picture quality at an extremely affordable price.
- All video and power cabling conveniently located on one side.
- Plug & Play. Just connect it to VGA of PC and TV and it starts to work.
- Mounting holes on four corners of the board.
- High-quality, low-cost design.

Applications

- Digital set-top-boxes, PC based A/V Devices, or Media Center entertainment PCs
- Multimedia education equipment for schools and training centers
- Devices for playing back DVD, VCD, VOD and KTV content to be displayed on a big-screen TV
- Windows-based PC terminals using a TV as display
- Internet conferencing systems
- Mobile information-retrieval systems

Specifications

- Supports VGA input at the following resolutions:
 - 640x480 @ 85 Hz
 - 800x600 @ 75 Hz
 - 1024x768 @ 60 Hz
- Provides RCA composite & S-Video output in both NTSC and PAL formats
- Supports both PC and Mac
- Plug-&-Play design for Windows and Linux Systems
- Supports MacroVision copying protection functions, especially for DVD playback
- Single power supply at 5V DC
- Power consumption: < 0.5 Amp.
- Custom made cable for input and output
- Jumper setting for NTSC or PAL switching

Physical and Environmental Requirements

- Operating temperature: 10° C to 45° C (50° F to 113 ° F)
- Storage temperature: -40° C to 70° C (-40° F to 158 ° F)
- Relative humidity: 5% to 90%, non-condensing
- Altitude: 0 to 10,000 feet

Availability

- This is an OEM product built only to order. Normal production lead-time is eight weeks
- Design time varies and is dependent upon additional customer requirements