

## TBM-15DVP

Tiny-Bus VIA DVP-based Video Extension Module with DVI, Dual Channel 18-/24-bit LVDS, TV-out, Video Capture and Mini-PCI Socket



### Key Features

The TBM-15DVP is a Tiny-Bus<sup>®</sup> VIA DVP-based expansion module with the chipset built-in graphics core and the DVI transmitter / SDTV / HDTV encoder on the module, offers DVI, TV-out and mini-PCI interface for the small form factor (SFF) embedded x86-based computing applications.

- VIA DVP-based DVI and NTSC / PALAV / S-Video TV-out interface.
- One mini-PCI type-III A/B socket.
- Liantec embedded Tiny-Bus<sup>®</sup> Modular Expansion Solution.

### Specification

Tiny-Bus<sup>®</sup> Modular Expansion Solution with VIA DVP and PCI bus interface  
 Onboard VIA VT1632 DVI transmitter with 1600 x 1200 of resolution  
 Onboard VIA VT1631 single / dual channel 18-/24-bit LVDS transmitter  
 Onboard VIA VT1625 TV-out encoder with AV / S-Video TV-out  
 Onboard Philips SAA7114 video capture controller with NTSC / PAL mode  
 Onboard Type-III A/B mini-PCI expansion interface

### External / Internal Connector

External DVI connector and AV / S-Video TV-out / Video Capture connector  
 Onboard Hirose DF13-40DP-1.25V LVDS connector and mini-PCI socket

### Application Notice

1. Module-mounted DVI, TV-out, LVDS shared with one DVP. (can NOT be used at the same time.)
2. If DVI comes from motherboard (shared with onboard 1x18-bit LVDS), then the on-module DVP will be reserved to TV-out, 2<sup>nd</sup> LVDS or 2<sup>nd</sup> DVI.
3. Jumper selectable TV-out / video capture mode on AV / S-Video as :  
 (1) if the AV channel is used by TV-out, then the S-Video channel can be setted as TV-out or video capture mode.  
 (2) if S-Video channel is used by TV-out, then the AV channel can be setted as TV-out or video capture.

### Compatible EmBoard

**EMB-3700** 3.5" Drive-size VIA C7-Eden Multimedia EmBoard

### Ordering Code

**TBM-15DVPA** Tiny-Bus VIA DVP DVI, TV-out, Video Capture Module with DVI, TV-out, Video Capture and Mini-PCI Socket

### Mechanical Drawing

