Global
A M E R I C A N

integration with integrity

User's Manual

3901160 and 3901161

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1. Product Overview

3901160 series is a Mini-PCI card for multimedia solution. This card integrated **Conexant Bt878A** video capture codec . The **Bt878A** allows for capture of teletext and other data types.

The General features of **Conexant Bt878A** are below:
1. Supports NTSC/PAL/SECAM Video decoding.
2. Supports image resolution up to 768 x 576 (full PAL resolution).
3. Supports complex clipping of video source.
4. Zero wait state PCI burst writes.
5. Field/ Frame masking supports to throttle bandwidth to target.
6. Multiple YCrCb and RGB pixel formats supported output.
7. Image size scalable down to icon using vertical & horizontal interpolation filtering.
8. Multiple composite and S-Video inputs.
9. Supports different program control for even and odd fields.
10. Supports different color space/scaling factors for even and odd fields.
11. Supports planar YUV data format.
12. Supports for mapping of video to 255 color palette.
13. VBI data capture for closed captioning teletext and Intercast data decoding.

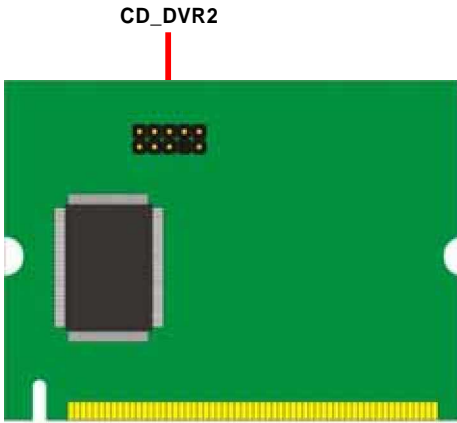# 2. Product Specification:

Form Factor	Mini-PCI Type III with 124-pin interface
3901160	
Video Codec	Conexant Bt878A
Output Function	10-pin video-in connector
Dimensions (W x D)	60mm x 45mm
Accessories	
3901160	1 x 10-pin video cable
3901161	2 x 10-pin video cable

3. Hardware setup:
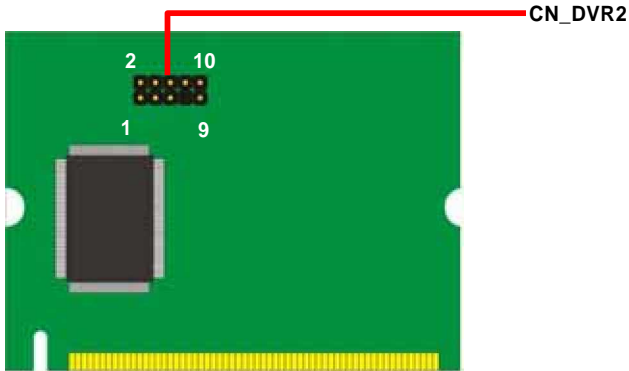
3.1 Connector Location

CD_DVR2

CN_DVR2   CN_DVR1
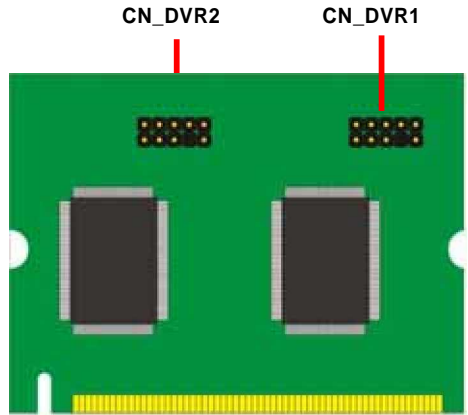
3901160

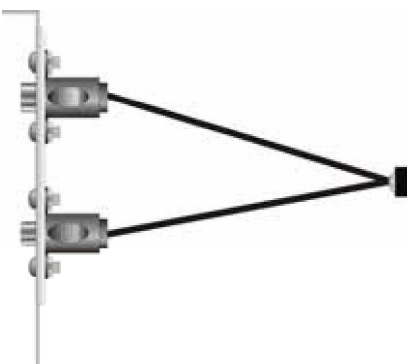3901161

3.2 Video In (for 3901160 and 3901161)

The board's video in function can let you build a video recorder system. The CN_DVR is a 10-pin header to connect the S-Video/RCA cable in package, or you can follow the pin mapping to create a cable.

Pin Assignment	Pin Number	Pin Number	Pin Assignment
Ground	1	2	COMPVIDEO
Ground	3	4	Y
Ground	5	6	C
Ground	7	8	N/C
Ground	9	10	N/C

Please use this cable to connect to CN1

The pin-1 of the cable would have a

white mark on the connector

Any advice or comments about our products and service, or anything we can help you with please don't hesitate to contact with us. We will do our best to support your products, projects and business.

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