

Precision Deinterlacing Card (ABT102)



Warranty: 1 Year

Upgrade your iScan VP20 or VP30 with the Precision Deinterlacing Card

The Precision Deinterlacing Card will dramatically improve the 480i/576i deinterlacing performance of your iScan VP30 or VP20. It eliminates many of the artifacts found in common deinterlacers to produce a smooth image, free of artifacts such as jagged edges and combing. And for Home Theater Gaming applications, the Precision Deinterlacing card can be set to minimize the real-time response with maximum performance.

VRS Precision Deinterlacing features five-field motion-adaptive deinterlacing and edge-adaptive processing for video sources, along with advanced cadence detection for film and animation sources. Sports fans will appreciate the motion-adaptive and edge-adaptive deinterlacing which preserves the image detail while eliminating ragged edges on low angle diagonals, and flicker. The resulting picture is smooth and free of digital artifacts. Other special features include the ability to correctly detect multiple source types within a frame (e.g. video titles over film), and compensation to minimize artifacts caused by sequence breaks in film content.

Gamers will be pleased to hear that the card features two different "Game Modes". In many competitive processors the effects of applying complex algorithms to the video image results in upwards of a seven frame delay. This can inhibit the "real-time" performance for gamers who want instantaneous response to react to stimuli and to realize peak performance from their application. "Game Mode 2" will reduce frame delay down to 2 frame delay with edge and motion adaptive processing, and "Game Mode 1" yields slightly less than one frame delay, while still performing edge adaptive processing.

This upgrade is user-installable and includes a DVD containing test patterns and real video content which demonstrates the performance vs. other technologies.

- 480i/576i Source, Motion & Edge Adaptive Deinterlacer
- Five-field motion adaptive deinterlacing
- Edge adaptive processing for smooth diagonal edges
- Three frame video processing delay (Max)
- Game modes with very low latency
- Sub-1 frame delay with edge adaptive processing
- 2 frame delay with edge and motion adaptive processing

Arbitrary cadence detection (any:any)

- Including DV, HDV, Vari-Speed, Animation, and Anime cadences
- Reliable 2:2 pull-down detection for 50Hz countries
- Detection of 2:2 to/from 3:2 cross fades and out of phase cross fades

- Detection of multiple source types within a frame for example video titles over film

Bad edit detection to minimize artifacts caused by sequence breaks in film content