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# RACEway Compatible

## RTVI: RACEway-Compatible Digital Video Frame Buffer



RTVI [Click to see](#)



The RTVI 6U VME card with RACEway interface provides fast data transfer supporting real-time video display. Benefits include:

- 8 MB dual-ported frame buffer
- Motorola 68360 on-board processor controls DMA engine, swapping display buffers during vertical retrace
- Supports up to 72 Hz frame output rate
- Supports video formats from RS-170 to 1280 x 1024
- 160 MB/s RACEway interface
- D64 VME interface with DMA engine
- RACEway and VME D64 master and slave operation
- Fits in a single 6U VME slot
- Full X-Windows support for VxWorks and Solaris (consult Synergy for other operating system support)
- Software-controlled pixel depth and video resolution
- Optional real-time video capture/display and mixing capabilities

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