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MPEG-2 Codec for PCI bus with Audio

Model 616 is an MPEG-2 codec in PCI format. It reduces CPU usage and memory storage by using hardware to compress audio and video at 30 fps for NTSC and 25 fps for PAL. The compressed data makes it possible to transmit video at full frame rates over an Ethernet. The system stream bit rate is programmable from 100 Kbits/s to 12 Mbits/s. Uncompressed frames are also available at lower frame rates. The stereo audio is synchronized and imbedded into the same stream as the video. A 64-character buffer is available for adding text to each frame. The 616 has three general-purpose opto-isolated input lines and three relay outputs. The codec can decompress encoded streams to produce composite, S-video and audio. It can also generate a color bar test pattern. Software drivers for Linux and Windows are supplied that support multiple 616 boards. A low-latency stream player is available for displaying and recording the MPEG stream. The 616 is available now at \$519 for quantity 1.

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