use spectrus ampunuous in une neignorrous out the peax, in auomion, a sound segment can be captured to disk file A and the same segment processed can be captured to disk file B. Then each can be averaged and a difference displayed in order to show the frequency response of the processing. Thus the spectral analysis subsystem can be used as a graphical aid to EQ processing and as a test system for revealing the frequency response of exterior processing units such as de-essers, reverberation and other effects modules.

## VIII. Conclusion

The GOTHAM Signal Arts Sigma-DSP3 is a high fidelity digital mixing, EQ and dynamics processing system for professional music recording and post-production studios. It can accommodate up to 60 digital audio channels and is designed to interface to existing 24, 32 and 48 channel digital tape machines, and be controlled by the faders and knobs of any scanned analog console or computer virtual console via a simple Ethernet connection and message protocol.

## References

- [1] R.R. Shively, E.B. Morgan, T.W. Copiey and A.L. Gorin, "A High Performance Reconfigurable Parallel
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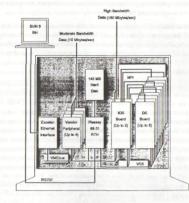


Figure 1: DSP3 Architecture