

Multimedia Audio and Video Console

Design Note #20



Orchid Technologies audio and video technology solutions. U.S. Patented Technology Solution.

This user-friendly, multimedia audio and video control console marries analog video, digital video and analog audio circuitry into a single, low-cost control unit.

AMD 80186ER Microprocessor Controlled

Orchid Technologies selected the AMD 80186ER as the ideal microprocessor for this demanding, low-cost audio and video application. The AMD Microprocessor brings all the industry standard power of an x86 computer in a low-cost efficient single chip device. With on-board SRAM, the 80186ER provides an ideal small-model microprocessor solution.

Multiple RS170 Video Channels

Analog multiplexing circuitry provide the switching of multiple RS170 video input channels. Both composite and component video inputs are supported on four separately switched channels.

VISCA-Compatible Camera Control

Native control of VISCA-compatible cameras permits this multi-media board to select camera zoom, focus, f-stop, shutter speed, color balance, output level, pan, and tilt. Power management features are available as part of the industry-standard VISCA protocol.

Multiple Analog Audio Channels

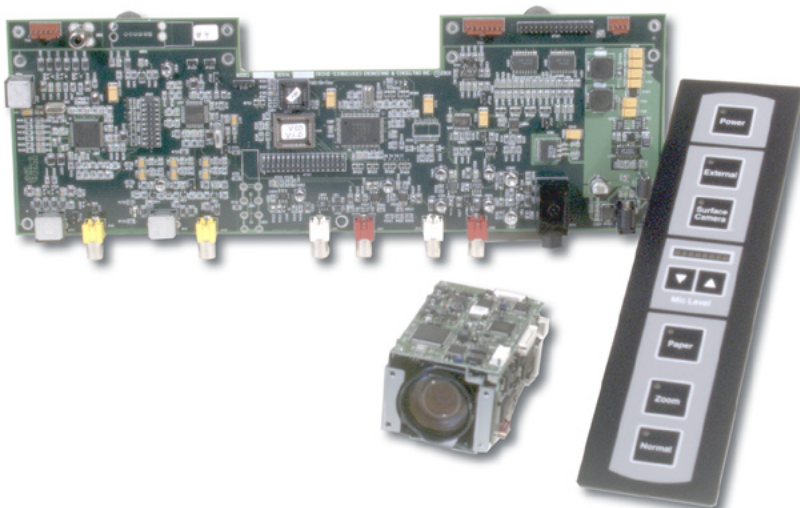
Analog multiplexing circuitry provide the switching of multiple analog audio input channels. Both stereo microphone and line input channels are supported on four separately switched channels.

YUV 4:2:2 Digital Video

Video decoding and encoding functions are provided to support image storage applications. YUV digital video permits a universal interface between the multimedia controller and third party video products.

Multimedia Solutions From Orchid Technologies

Orchid Technologies is serious about multimedia technology. Call us today. Let us design a custom multimedia system for you too.



AMD

OTEC

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Custom Engineering From Concept to Production

147 Main Street, Maynard, MA 01754 www.orchid-tech.com 978-461-2000 Fax: 978-461-2003