

# 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

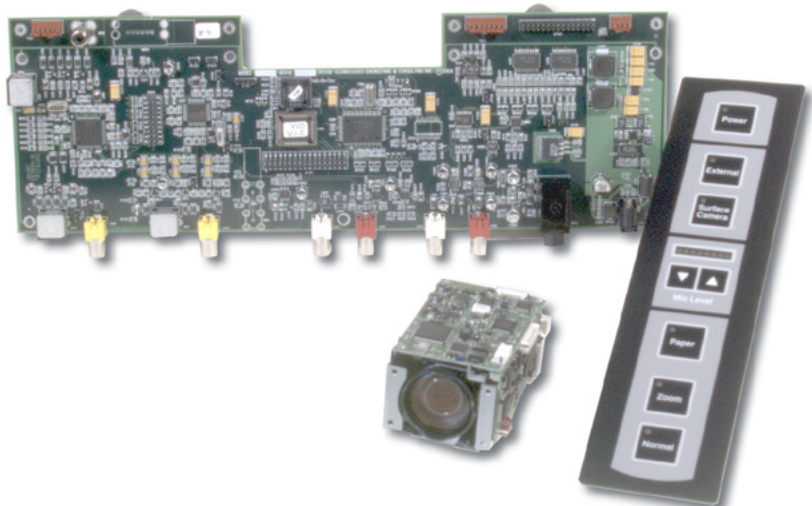
Analog multiplexing circuitry provide the switching of multiple analog audio input channels. Both stereo microphone and line input channels are supported on four separately switched channels.

## 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.



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