

White Paper

TECHNOLOGY UPDATE

Flat Panel TV's Are Here!

For years, we've been hearing about thin flat televisions that hang on your wall like paintings.

For most of us, this seemed to be a futurist's pipe dream, but not any longer. Plasma TV's are here and they're the hottest new product to hit the custom home electronics market in the last decade.

Plasma TV's are currently available in widescreen sizes from 37 to 63 inches. All except entry level models are capable of displaying spectacular **digital High Definition television** images.

Plasma TV's are slick to look at, have amazing picture quality and boast tremendous installation flexibility. And at only a few inches thick, plasma TV's fit into spaces conventional TV's could only dream about.

Custom Installation Versatility

Plasma TV's are so versatile, they encourage you to experiment. They can be surface mounted on a wall, or flush mounted "built-in" style. Or, if your application calls for it, they can be hung from a ceiling or wall bracket or placed on an optional floor stand.

Pictured here is one of our most popular installations, with the plasma TV flush mounted above the fireplace. In this project a plasma installation frame was mounted into the stud wall above the fireplace. (The frame acts as a mounting template and provides a heat shield for the plasma TV). Mounted to the top (or back) of the installation frame is an exhaust fan to vent the plasma's heat into an air space. After wall treatments and finish trim are completed, the plasma TV is mounted into the frame.



Ready for Prime Time!

At less than 90 pounds and as little as 3½ inches thick, plasma is an attractive alternative to big screen TV, without the size and weight issues. The widescreen (16:9) aspect ratio is designed for HDTV, and the super flat display offers the broadest viewing angle available ... 160 degrees both horizontally and vertically!

The technology that drives plasma TV has been in development since 1964. Gas in a plasma state is trapped in microscopic cells and sandwiched between two glass plates. The cells are energized by row/column electrodes to produce UV light. This in turn strikes colored phosphors which produce brilliant, highly detailed images viewable even under normal room lighting conditions.

For further information give us a call.



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