Custom VideoWall Framing Systems

Essential to our superior VideoWall design

Multiple rear screen VideoWalls are used in command and control rooms, network operations centers, sports and gaming venues, point of purchase advertising and the entertainment industry. Since 1985, Draper has developed a particular expertise in the design and manufacture of custom rear screen VideoWalls and related products for electronic information display. With installations in more that 70 countries, Draper is the acknowledged world leader in the most demanding area of the projection screen industry.

With more unique types of rear projection screens, videowall framing systems, and projector mounting systems, and more combined years of design experience than any other projection screen manufacturer, Draper's highly skilled engineers can provide an optimum solution for any information display requirement. Both technological and human factors are always carefully considered. All proposals are supported by CAD generated dimensional drawings.

The IRUS, Vortex, Cineplex and DiamondScreen may be used in a VideoWall, with individual screen sizes from 30″ diagonal through 180″ diagonal. Draper offers three VideoWall framing systems.

Caltrans, Irvine, CA.—Transportation Management Center. Installed by MCSi. A 3 x 3 MultiScreen System of IRUS screens in Zero Edge frames. Includes custom monitor arrays. System 200 Framing System U.S. Patent No. 5,103,339. Zero Edge Framing System U.S. Patent No. 6,000,668.

Zero Edge Framing System

Draper's mullionless Zero Edge Framing System is the first and only optically seamless large screen videowall framing system. Zero Edge incorporates a proprietary screen attachment system supported by extruded aluminum light baffles on all four sides. Screens are assembled with "zero" separation. Actual screen separation is approximately .5 mm.

Zero Edge VideoWall modules may be installed in-wall or can be incorporated in a freestanding Draper MultiScreen System. Panoramic or tilted VideoWalls are possible in any configuration. Individual modules are completely self-supporting, reducing the possibility of screen warpage. Patented.
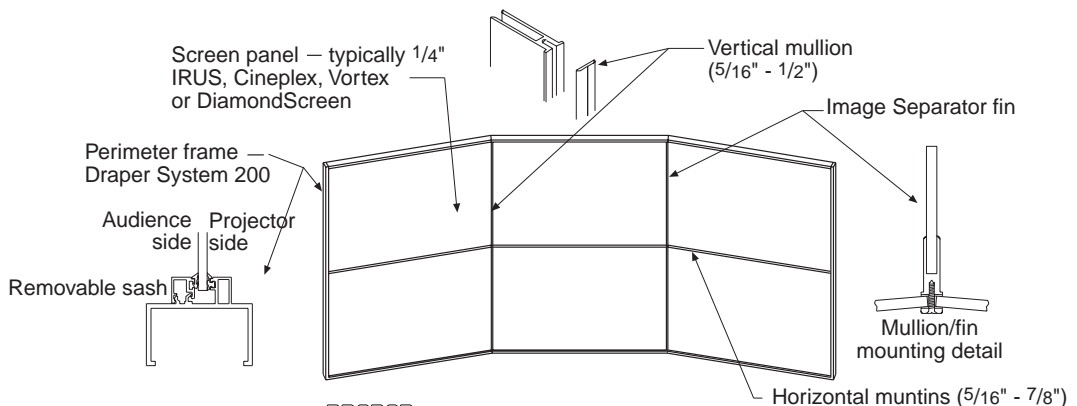

Zero-Edge videowall frame

Close Edge Clear Lexan® Framing System

Individually framed screen modules with a "close-edge" transparent Lexan perimeter support frame, for a near-seamless appearance. Actual screen separation is approximately 4 mm. Screen modules include an extruded aluminum light baffle on all four sides. These modules are assembled within an existing rough opening. Panoramic or tilted VideoWalls are possible with Clear Lexan frames.

System 200 VideoWall Framing System

Offers maximum flexibility of design and structural integrity while accommodating rear screens of any size. Completely unitized for perfectly uniform contiguous images regardless of the number of screens or tiers in the array. The manufacturing and assembly of complex panorama radius VideoWalls is executed with precision and unparalleled structural integrity.

A patented two-piece image separator system, consisting of vertical mullions and horizontal muntins, enables removal of individual screens within the videowall without disturbing the rest of the system. Light separating baffles eliminate overscan between adjacent projected images. All System 200 components are extruded aluminum with black anodized finish. Every component is stamped and coded, and detailed assembly instructions and legend are provided. Patented.

Clear Lexan mullions and muntins support screens with minimum separation