

FIBER OPTIC BUTTON ARRAY

Enabling the vision of tomorrow through adaptive user interfaces.

Incom's fiber optics enable a novel approach to dynamic video buttons. Customizable buttons and knobs can now display graphics, animations, and videos that change on-the-fly, depending upon the task at hand. This cutting edge technology overcomes the drawbacks of standard LED pushbuttons and touchscreens, while providing speed, reliability, and overall confident operation.

FEATURES

- Customizable button shape
- Durable structure
- Reduced development time
- Efficient assembly
- Unique display of graphics, text, animation, and video

APPLICATIONS

- Automotive
- Gaming
- Broadcast
- Aerospace
- Medical
- Home Appliances

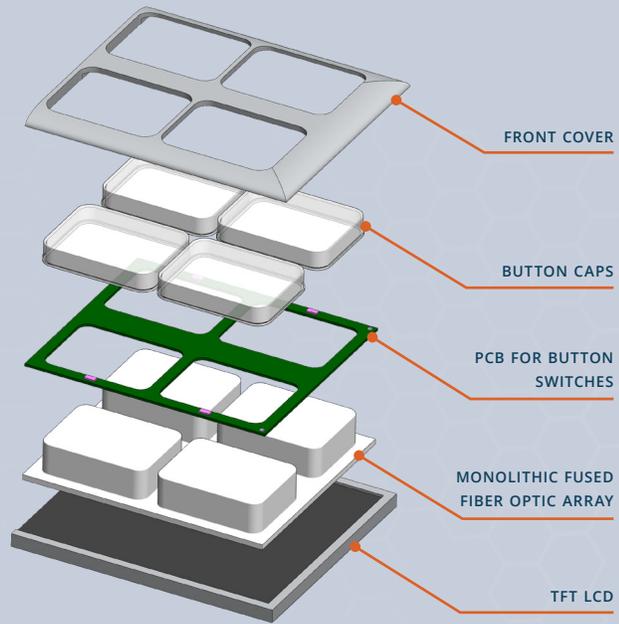
APPLICATION EXAMPLE

BROADCAST: KEY LABELING DRIVEN BY A SINGLE DISPLAY



A CLOSER LOOK

A single LCD screen, utilized for all of the buttons, is mounted below the exterior cover of the device. Incom's fiber optic button array elevates images from the LCD to the surface of the button caps, allowing each individual key to maintain its true color from the display. No longer limited by the confines of a rectangular display, fused fiber optics allow for button customization in nearly any shape and size imaginable.



COMPARISON

Incom's fiber optic button array is machined from a single piece of polymer fiber optic, rather than using individual fiber optics for each button. This offers an easier, more efficient assembly process. Further, the system utilizes a single LCD to display the images on all of the buttons, avoiding button-to-button variation in color and brightness.

	POLYMER BUTTON ARRAY	CONVENTIONAL GLASS FIBER OPTIC
Lightweight	✓	
Promotes LCD Lifetime	✓	
Ease of Assembly	✓	
Cost Efficient	✓	
Customizable	✓	✓