

POLYMER FIBER OPTIC FACEPLATE

Enabling the vision of tomorrow through lightweight, low cost imaging.

Incom is the only company in the world producing polymer fused fiber optic faceplates for imaging applications. Their technology allow for applications that would never have been possible due to high weight and cost of glass fiber optics. However, as with glass fiber optics, this production ready technology transfers images from the input surface to the output surface with high uniformity, true color fidelity, and minimal distortion.

FEATURES

- Lightweight and durable
- Less expensive than conventional glass fiber optics
- Large area faceplates: up to 20" x 15"
- Limited or wide viewing angles: NA options from 0.13 to 0.84
- Made-to-order geometrics
- Customizable EMA pattern, type and color for unique effects
- Lead free

POLYMER FIBER OPTIC PIECES



SPECIFICATIONS

Our polymer manufacturing process allows for many new formats and is not limited by size. We have the ability to manufacture monolithic substrates as large as your design requires. Below is a list of some materials currently in production with many more options available.

	NUMERICAL APERTURE (NA)	EMA	LARGE AREA	FIBER SIZE (MICRON)
PB51	0.13		✓	10+
PB54	0.13	✓	✓	10+
PE53	0.56		✓	10+
PE54	0.56	✓	✓	10+
PM52	0.63		✓	10+
PM54	0.63	✓	✓	10+
PS55	0.84		✓	10+
PS56	0.84	✓	✓	10+