

# Technological Breakthroughs in Sapphire Super Dome

## ◆ Leading the Future of Precision Optics

After two months of intensive research and development, Eoptik has successfully achieved significant technological breakthroughs in two core areas of the optical industry: the Sapphire Super Hemispherical Dome and Microlenses. These achievements mark a leap forward in high-precision optics manufacturing, placing Eoptik well ahead of competitors in China.



## ◆ Sapphire Super Dome — Excellence in Precision and Performance

Eoptik's newly developed sapphire super hemispherical dome demonstrates exceptional optical quality, surface uniformity, and structural accuracy. This product is ideal for high-demand applications such as infrared systems, aerospace optics, and advanced imaging technologies.

### ◆ Key Technical Specifications:

Surface Quality: 40-20

Peak-to-Valley (PV): 0.5

Root Mean Square (RMS): 0.08

Radius Tolerance:  $\pm 0.02$  mm

Dimension Tolerance:  $\pm 0.02$  mm

Overall Height:  $> 1$  mm

With impeccable fringes and optical clarity, this sapphire dome sets a new benchmark in the field.

At **Eoptik**, we are committed to pushing the boundaries of optical innovation. Our continuous investment in R&D and high-precision manufacturing ensures we deliver world-class products that empower next-generation optical systems.

**Contact us** today to learn how our advanced components can elevate your optical solutions.

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