

Groundbreaking Mobile Projection Solutions



Explay provides ultra-small, mobile-projector solutions with SPELL™ (SPEckle-free LCoS Laser) projection technology, the most innovative projection technology for CE industry products such as cellular handsets, portable media players, Netbooks and the likes, as well as for commercial applications in the automotive, medical, security, and military markets.

- Compact - Smaller less than 5cc* for easy portability and integration into any mobile device
- Extremely low power consumption- less than 1.3W**
- Always Focused- Laser imaging technology eliminates the need for focusing
- Eye-Safe- Class-1 wide angle projector
- High Resolution – WVGA and higher

Powered by Explay

With more media content available to them than ever before, mobile users would like to enjoy a big-screen experience wherever they are. Explay Mobile Projection Solutions can turn any mobile device into a high quality projector. It enables users worldwide to project, view and share visual content anytime and anywhere. When it comes to mobile projection now is the time to be powered by Explay.

Explay has developed a line of personal projection solutions based on our exclusive break through technology:

- Colibri™: At less than five cubic centimeters in volume, the Colibri projection module with SPELL™ projection technology is available for range of embedded mobile needs.
- oio™ Explay's companion solution (with the Colibri projection module inside) is a consumer oriented standalone companion mobile-projector small enough to fit in the palm of your hand.

Both projection solutions offer an unprecedented color gamut that can project any multimedia content onto any flat or curved surface under a wide range of lighting conditions.

Colibri™ Mobile Projection module

Explay's unique low power mobile projector module delivers an Always Focused, Eye Safe image of superior quality features that are essential for frequent usage by mobile users. Using SPELL™ projection technology and proprietary ASIC circuit design, Explay offers advantages found in no other projection technology. The mobile projector module can be embedded in consumer devices for unified product delivery. With superior knowhow and intellectual property including more than 11 patents filed and a 100 man years of development time, Explay's projector module, at a size of approximately 24x28.6x7mm (1"x1.1"x 0.28") is small enough to fit inside any mobile device or be packaged as a small accessory or product jacket add-on. The Colibri module is designed to be produced for the lowest possible cost making it ideal for mass production. Colibri provides manufacturers with the opportunity to leap-frog to the projection world with an unrivaled set of world-class deliverables.

oio™ Mobile Projection Companion

Explay has combined Explay's groundbreaking Colibri embedded module with a highly polished and streamlined product design. The oio is a consumer oriented standalone companion mobile projector solution small enough to fit in the palm of your hand! Simply connect to any mobile handset, laptop or to any handheld device from a PDA to a gaming console to a digital camera. oio companion projectors enable mobile users to project and share their media content anywhere, any time. The oio is ideal for mobile professionals that need to make presentations without carrying printed materials or bulky projectors. What's more, it turns the awkward "lean forward" small-screen viewing in to a big-screen "lean back " experience. The oio gives OEMs a customizable design that provides the opportunity for faster time-to-market relative to module level alternatives.

Product Features

SPELL™ (SPEckle-free LCoS Laser) imaging technology

Large Projected Image from Small Device

- Up to 1.8m (70") projected image size
- Project on any surface, enabling projection on non flat surfaces
- Always in focus
- Viewing distance 20-200cm (8"-80")

Compact and Lightweight

- Ultra mobile – Easily travels anywhere
- Size- Colibri: 24x28.6x7mm (1"x1.1"x0.28"), oio: 50x100x14mm (2"x4"x0.55")
- Projection module volume: Less than 5cc
- Integrates with or embeds into mobile devices

Resolution

- VGA, WVGA, SVGA

Low Power Consumption

- Over 90% laser efficiency
- Less than 1.3W power consumption (optical module)

Battery life (oio)

- 2.5 hours

Eye-Safe Viewing

- Class-1 wide angle diffused light source
- Restriction-free operation
- No hazard to children or adults

High Reliability

- Long life solid state light sources

