

Entangle

Tethered Camera Control & Capture



FOSDEM 2014

Usage Scenarios

- Macro photography
- Studio photography
- Stop motion animation
- Astronomical photography



Core capabilities

- Shutter trigger
- Live preview
- Image download
- Camera configuration
- Colour management
- Raw file formats



Architecture

- Backend - camera / image management
 - LibGPhoto2
 - GDK-Pixbuf
 - LCMS
 - GExiv2
 - LibRaw
- Frontend – desktop interface:
 - GTK-3
 - PEAS



Plugins

- Infrastructure
 - PEAS library
 - GObject Introspection
 - GJS (JavaScript)
- Arbitrary extension of UI features



Future work: camera

- Auto bracketing
 - ISO / shutter speed / aperture / flash power
- Auto focus stacking
 - Auto-adjust focus between series of shots
- Auto batch
 - Capture timed sequence



Future work: user interface

- Simplified configuration panels
- User customized panels
- IPv4 enabled cameras
- GIMP plugin



Live Demo

- Will the curse of the live demo strike us ?



Further information

- Web: <http://entangle-photo.org>
- GIT: <http://gitorious.org/entangle/entangle>
- Mail: <https://mail.gna.org/listinfo/entangle-devel/>
- IRC: #entangle on irc.oftc.net

- Wanted: Your help !
 - Code dev, plugins, translation, docs, user feedback

