

Package: lidRviewer (via r-universe)

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Type Package

Title 3D point cloud viewer

Version 1.0.0

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Description An advanced point cloud viewer designed to fluidly display hundreds of millions of points while using minimal memory. This package is intended as a replacement for rgl in lidR when the point cloud size exceeds what rgl can handle.

Depends R (>= 3.1.0)

Imports Rcpp,lidR,methods

License GPL-3

Encoding UTF-8

LazyData true

LinkingTo Rcpp

RoxygenNote 7.3.1

SystemRequirements GLU, OpenGL, SDL2

Config/pak/sysreqs libabsl-dev cmake libfreetype6-dev libgdal-dev gdal-bin libgeos-dev libglu1-mesa-dev make texlive libpng-dev libuv1-dev libgl1-mesa-dev libssl-dev libproj-dev libsdl2-dev libsqlite3-dev libudunits2-dev zlib1g-dev

Repository <https://r-lidar.r-universe.dev>

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RemoteUrl <https://github.com/r-lidar/lidRviewer>

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plot_xyzrgb	<i>Deprecated backward compatible function</i>
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Description

Deprecated backward compatible function

Usage

```
plot_xyzrgb(x, y, z, r, g, b, id = NULL, size = 4)
```

Arguments

x, y, z	numeric vector
r, g, b	integer vector
id	index
size	not used

view	<i>Display big 3D point clouds</i>
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Description

Display arbitrary large in memory 3D point clouds from the lidR package. Keyboard can be use to control the rendering

- Rotate with left mouse button
- Zoom with mouse wheel
- Pan with right mouse button
- Keyboard r or g or b to color with RGB
- Keyboard z to color with Z
- Keyboard i to color with Intensity
- Keyboard c to color with Classification
- Keyboard + or - to change the point size
- Keyboard l to enable/disable eyes-dome lightning

Usage

```
view(x, ...)
```

Arguments

x	a point cloud with minimally 3 columns named X,Y,Z
...	Support detach = TRUE

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