



CycloMedia

Extra functionality CMIV: Central perspective cutouts

CYCLOMEDIA®

CycloMedia ImageViewer (CMIV) can be extended with extra functionalities. By installing additional software, there are more possibilities within CMIV to use and control Cycloramas. In this leaflet, the extra functionality 'Central Perspective' is described.

Central perspective

With this extra functionality, it is possible to transform a cutout of a Cyclorama to a central perspective image. This is a photo in the familiar perspective from a common photo camera. CycloMedia ImageViewer shows such cutout in a separate window on your screen, which can further be stored as a file on your hard disk.

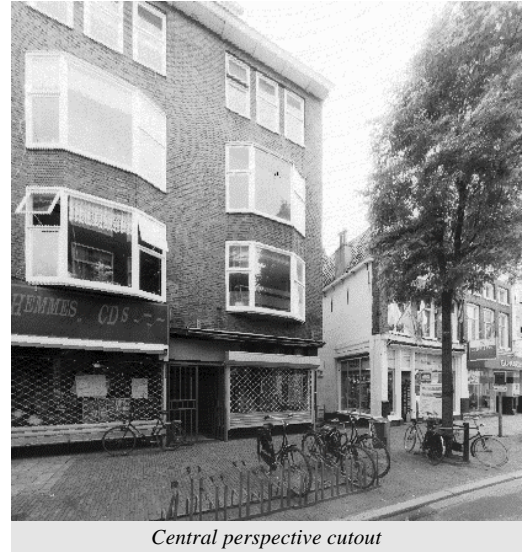
The only thing you have to do is open a Cyclorama with CMIV and make the popup menu visible with your right mouse button.



Cyclorama with menu incl. option Central perspective

By then selecting the option 'Central perspective' the visible part of the Cyclorama is immediately recalculated to central perspective and is shown in a separate window.

Now you can copy the result to the Windows clipboard or store it in a file.



Central perspective cutout

Usage possibilities

The distortions of the panoramic perspective in which the Cycloramas are pictured as a standard are usually not annoying. However, if shots are taken in the neighborhood of tall objects (think of narrow lanes in an urban area) the distortions increase. By making central perspective cutouts, one can achieve representative image material of these objects.

Everyone who wants to generate true-to-nature pictures from Cycloramas can use the functionality 'Central perspective'.

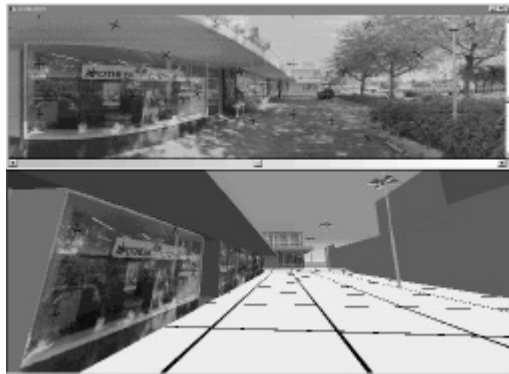
Some examples:

- Image material for reports (grant licenses, notifications).
- Image material as texture for Virtual Reality databases.
- Image material as a background for a design of an object to be realized (bridge, house, road, railroad, etc.)





*Frank Data
is a supplier of optical
data and systems.
The developed systems
are applied in the
professional market
for geographics
and landsurveying
applications.*



Example combination Cyclorama and Virtual Reality

Technical data

- CMIV and the extra functionality 'Central perspective' work under Windows operating systems 3.11, 95 and NT.
- The addition of extra functionalities to CMIV is performed by means of the installation of so-called plug-ins.
- The central perspective cutouts can be stored in the BMP format.
- When storing a central perspective cutout it is possible to store all image parameters in a separate file. These parameters can be used in a 'render application' (an application that enables the user to realistically reproduce digital graphical files by area filling and indicating shadows) in order to generate an extremely realistic representation of a design.



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