

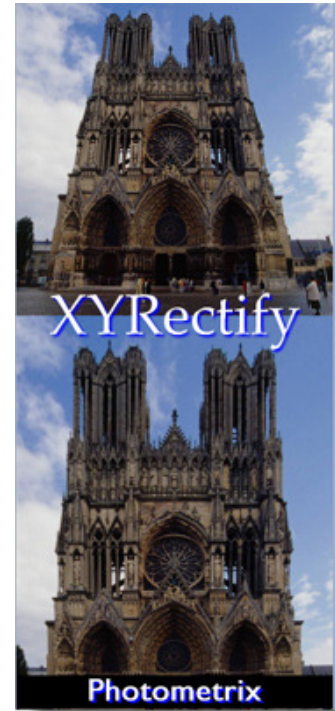
# XYRectify: add-on for iWitness and iWitnessPRO

## 2D Planar Rectification using 2D or 3D control points

The function of **XYRectify** is to create rectified images of planar surfaces from oblique images. The rectified images are then treated as scale-homogeneous 2D maps and support the measurement of XY coordinates within the rectification plane.

Accurate measurements of positions on a roadway from an oblique photograph, or measurements on a building façade from street level images are examples of XYRectify use.

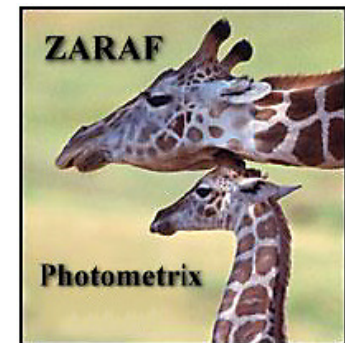
**XYRectify** V2.0 allows for planar rectification via the use of **four or more 2D or 3D control points**. The control points can be easily achieved from iWitness, or other means (i.e., a total station.) The camera position of the planar rectified image(s) is automatically solved for by marking the control points. The XYRectify program creates a TFW "world coordinate file" that can be used in the created Plan View JPEG image, for accurate scaling in CAD.



# Zaraf: add-on for iWitness and iWitnessPRO

**Pre-processor software used with iWitness to assure analog scanned image pixels are square**

In order to accurately measure **scanned film negatives or scanned film prints** in photogrammetry, the pixels must be square in format height and width. **Zaraf** is a software utility program that assures the pixels (rows and columns) are square. It is important to realize that "square pixels" are only part of the requirements for producing accurate photogrammetric XYZ coordinates. The focal length and lens distortion must also be solved.



*Both XYRectify and Zaraf are separate programs, provided with the purchase of iWitness & iWitnessPRO software licenses.*