## Building a 360 degrees Multi-View model target

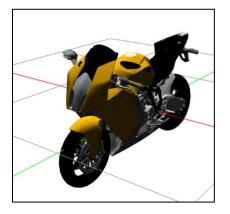
For general instructions on how to use the MTar Model View Generator, please refer to the reference guide document.

## **View splitting**

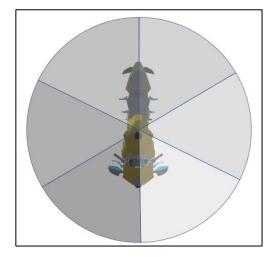
For the use case of viewing the model from various points within the full 360-degree range, it is recommended that you slice the view into a set of adjacent viewing ranges.

A good rule of thumb to follow is to split the views into 6 equal 60-degree slices for Vuforia to detect and track. This will provide an even distribution of viewing angles from all sides of the model.

For example, consider the case of a toy bike, pictured below:



If you imagine looking at the bike from a top view, the 360-degree viewing range around the model can be split into 6 slices of 60 degrees, as depicted below:



This sort of split will define 6 detection views in the MVG, such as the ones represented below:



For each detection view, a viewing range will need to be defined using the Advanced Settings panel of the MVG.

In the example above, we define the azimuth angle to span the [-30, +30] degree range in order to cover a 60-degree angle symmetrically split around the reference line of sight.

Additionally, we set an elevation range of [-45, 0] degrees to also allow recognition when the model is seen slightly from above.

