

## Camera

- \_proj: QMatrix4x4
- \_view: QMatrix4x4
- \_world: QMatrix4x4
- \_eye: QVector3D
- \_center: QVector3D
- up: QVector3D

«constructor»

+ Camera()

«constructor»

+ Camera(proj, view, world: QMatrix4x4)

+ setProj(proj: QMatrix4x4): void

+ setView(view: QMatrix4x4): void

+ setWorld(world: QMatrix4x4): void

+ getProj(): QMatrix4x4

+ getView(): QMatrix4x4

+ getWorld(): QMatrix4x4

+ getWorldIT(): QMatrix4x4

+ getMVP(): QMatrix4x4

+ lookAt(eye, center, up: QVector3D): void

+ move(val: int): void

+ perspective(angle, ratio, near, far): QMatrix4x4