**R–右相机相对左相机的旋转矩阵**

**T–右相机相对左相机的平移矩阵**

**R1,R2–左右相机校准变换（旋转）矩阵**

**P1,P2–左右相机在校准后坐标系中的投影矩阵**

**Q–视差-深度映射矩阵**

R: !!opencv-matrix

rows: 3

cols: 3

dt: d

data: [ 7.9988791493219158e-001, -4.9636736492714564e-002,

5.9809323515300161e-001, 6.7918530340222300e-002,

9.9765850098767617e-001, -8.0367060072626915e-003,

-5.9629388457526133e-001, 4.7050077549093225e-002,

8.0138623236287820e-001 ]

T: !!opencv-matrix

rows: 3

cols: 1

dt: d

data: [ -2.1652813219646351e+001, -1.4408353029309644e+000,

6.2045510619356525e+000 ]

R1: !!opencv-matrix

rows: 3

cols: 3

dt: d

data: [ 9.3563015679733941e-001, 3.1351870006134609e-003,

3.5296795930205499e-001, 4.1421137587428674e-003,

9.9979418570647549e-001, -1.9860239704879216e-002,

-3.5295757901622621e-001, 2.0043872629729325e-002,

9.3542460443640651e-001 ]

R2: !!opencv-matrix

rows: 3

cols: 3

dt: d

data: [ 9.5935138350161775e-001, 6.3837771436121016e-002,

-2.7489936688104882e-001, -5.8191568820972976e-002,

9.9789410579485449e-001, 2.8654754196151936e-002,

2.7614971354626799e-001, -1.1493152655276697e-002,

9.6104591105230586e-001 ]

P1: !!opencv-matrix

rows: 3

cols: 4

dt: d

data: [ -4.9742614527278449e+004, 0., 1.0548699359893799e+003, 0., 0.,

-4.9742614527278449e+004, 1.0241395645141602e+003, 0., 0., 0., 1.,

0. ]

P2: !!opencv-matrix

rows: 3

cols: 4

dt: d

data: [ -4.9742614527278449e+004, 0., 1.0548699359893799e+003,

1.1227039017599034e+006, 0., -4.9742614527278449e+004,

1.0241395645141602e+003, 0., 0., 0., 1., 0. ]

Q: !!opencv-matrix

rows: 4

cols: 4

dt: d

data: [ 1., 0., 0., -1.0548699359893799e+003, 0., 1., 0.,

-1.0241395645141602e+003, 0., 0., 0., -4.9742614527278449e+004,

0., 0., 4.4306085023222974e-002, 0. ]

**内参矩阵**

**fx fy 为焦距 x0 y0 主点坐标（相对成像平面）s为坐标倾斜参数（理想情况下为0）**

**畸变向量**

**D= { K1,K2,P1, P2{K3{K4,K5,K6}, { S1,S2,S3,S4} } }**

**k1,k2,k3,k4,k5,k6为径向畸变，p1,p2为切向畸变**

左摄像机内参矩阵

左摄像机畸变向量

[ -8.3620782381447517e-002, 1.0069242857665844e-001, 0., 0., 0., 0., 0.,

-9.1748092027186157e-001 ]

右摄像机内参矩阵

右摄像机畸变向量

[ -1.2925014100087437e-001, 3.5252264484959384e-001, 0., 0., 0., 0., 0.,

-2.0835056867914620e-001 ]