

| | Number of point correspondences required | Number of required oriented point correspondences | Degrees of freedom |
|---------------------------------|--|---|--------------------|
| Fundamental Matrix (Unknown K) | 7 points nonlinear 8 points linear | 7 points nonlinear 8 points linear | 7 |
| Essential Matrix (Known K) | 5 points nonlinear 6 points linear | 5 points nonlinear 6 points linear | 5 |
| Trifocal, unknown K | 6 points nonlinear 7 points linear | Speculate 4 | 18 |
| Trifocal, known K [Nister 2006] | 4 overconstrained 3 underconstrained | Speculate 3 | ? |
| Quadrifocal, unknown K | 6 linear equations | | 29 |
| Quadrifocal, known K | ?? | | ?? |