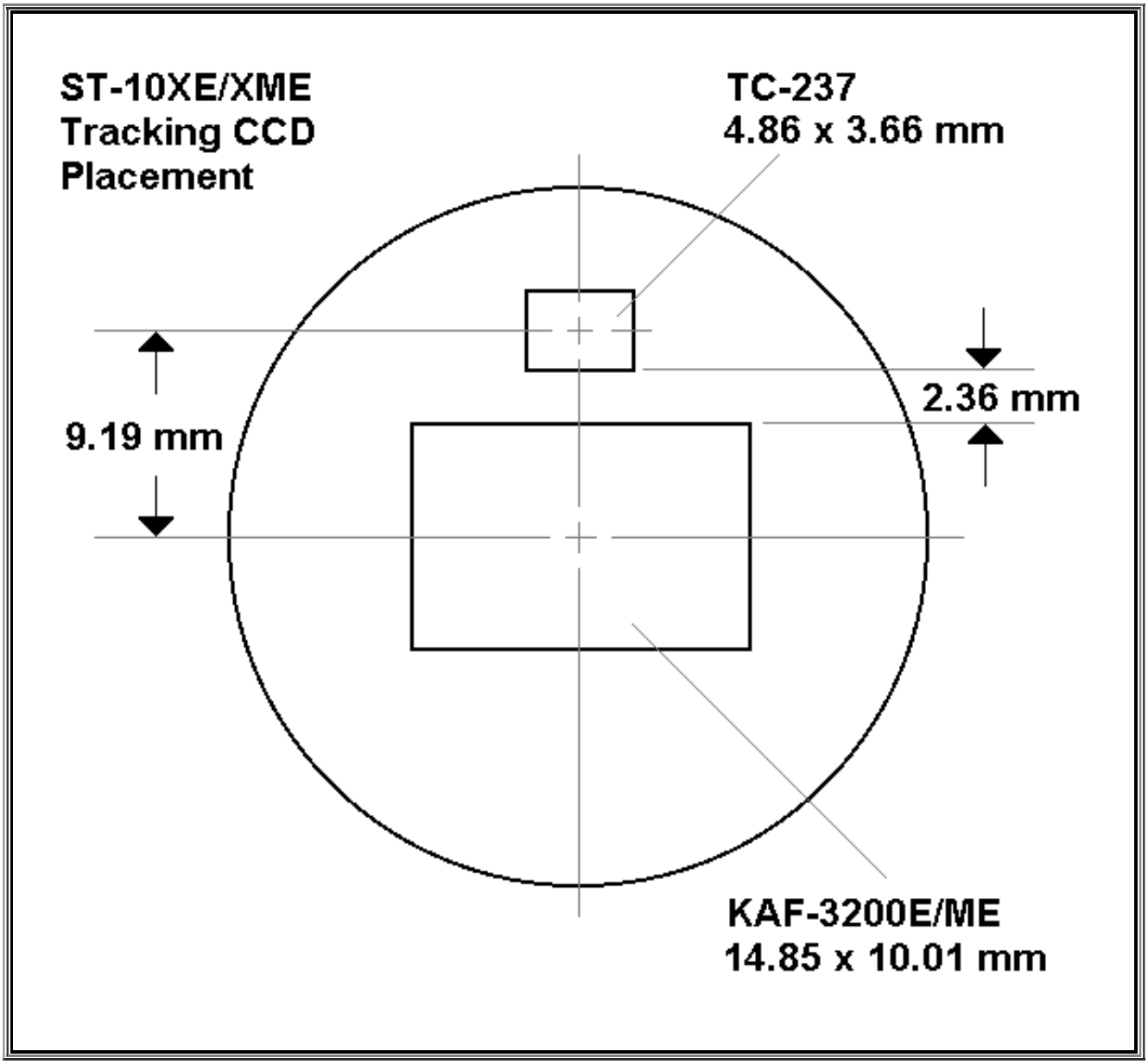
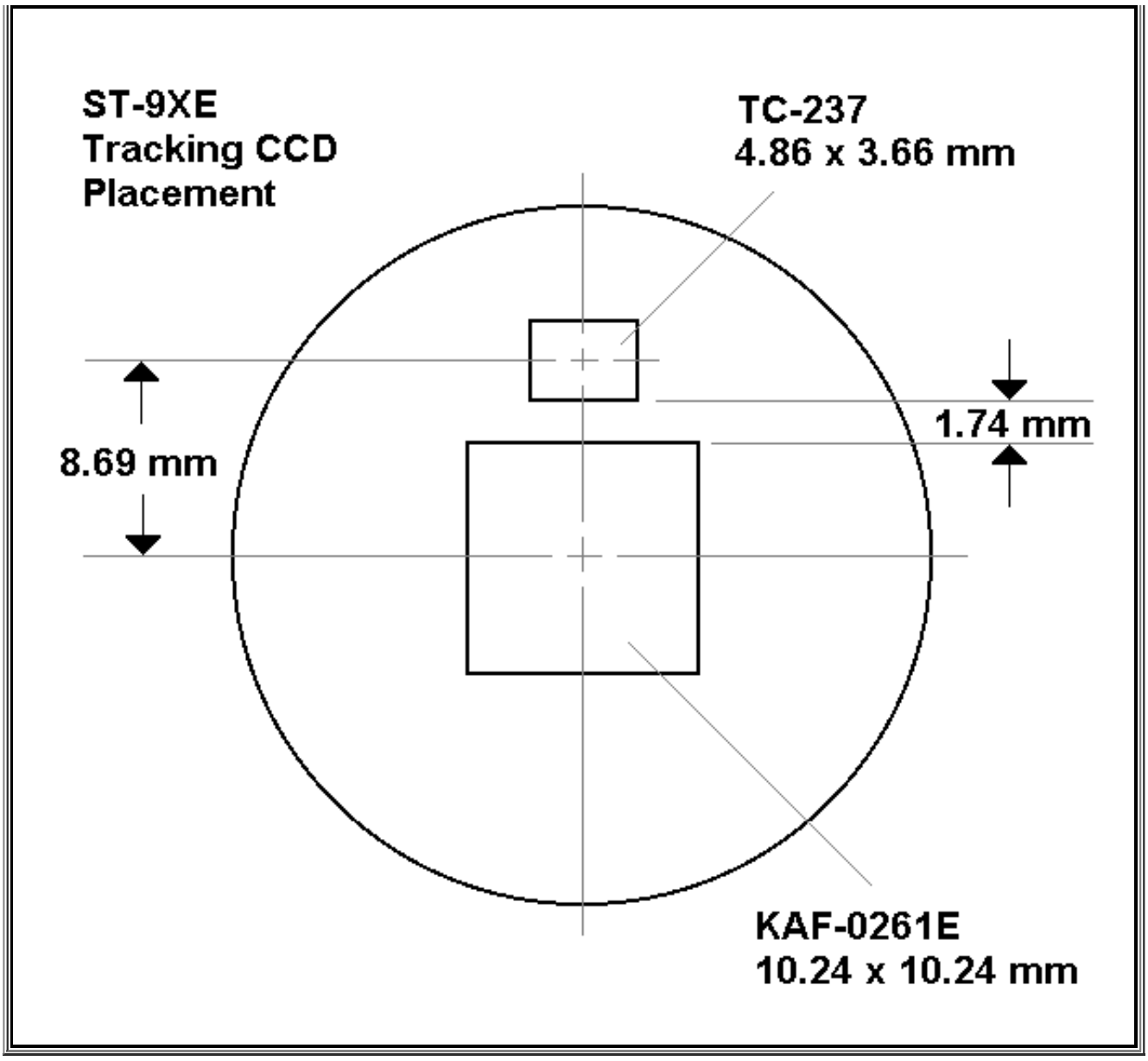
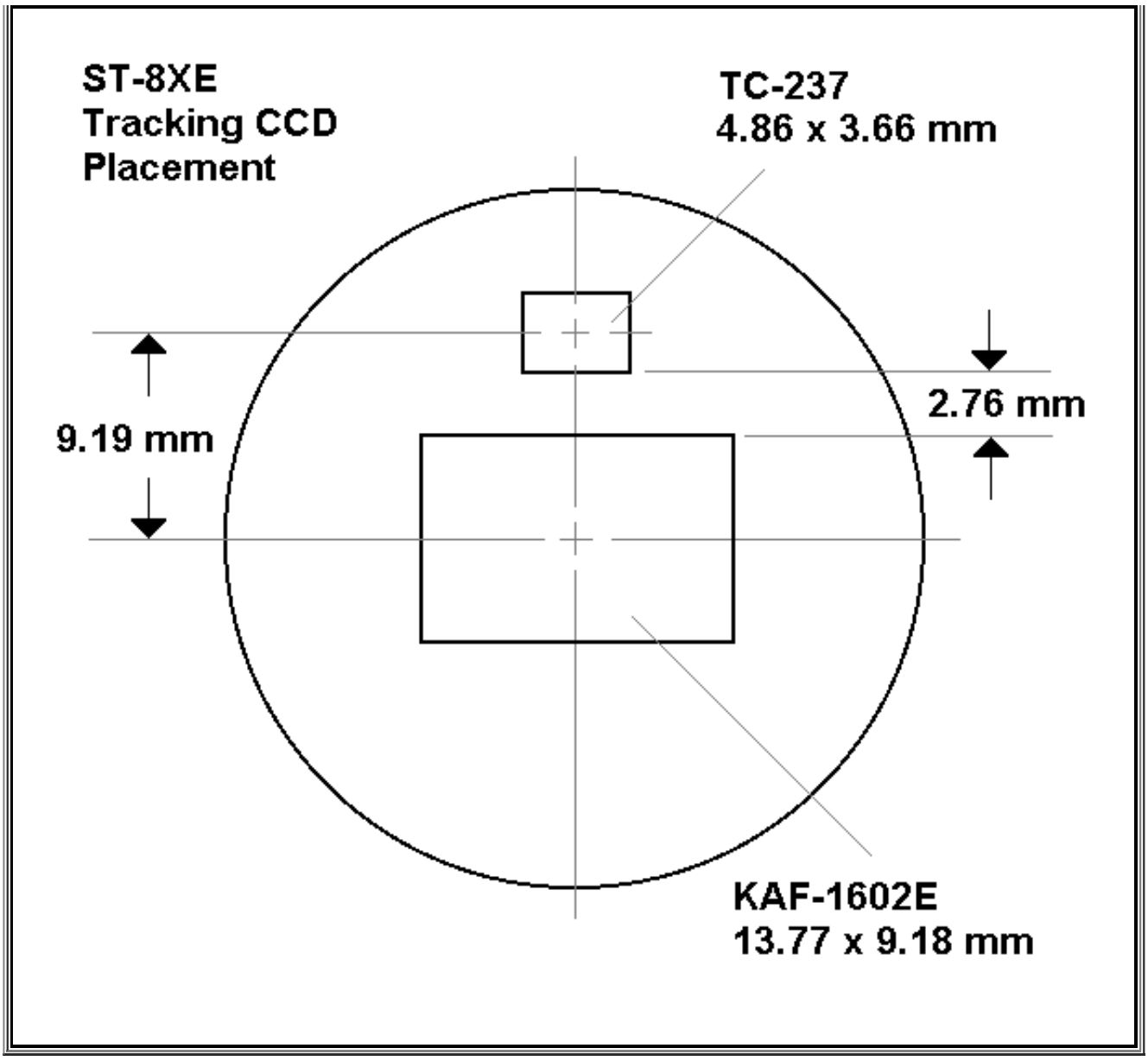
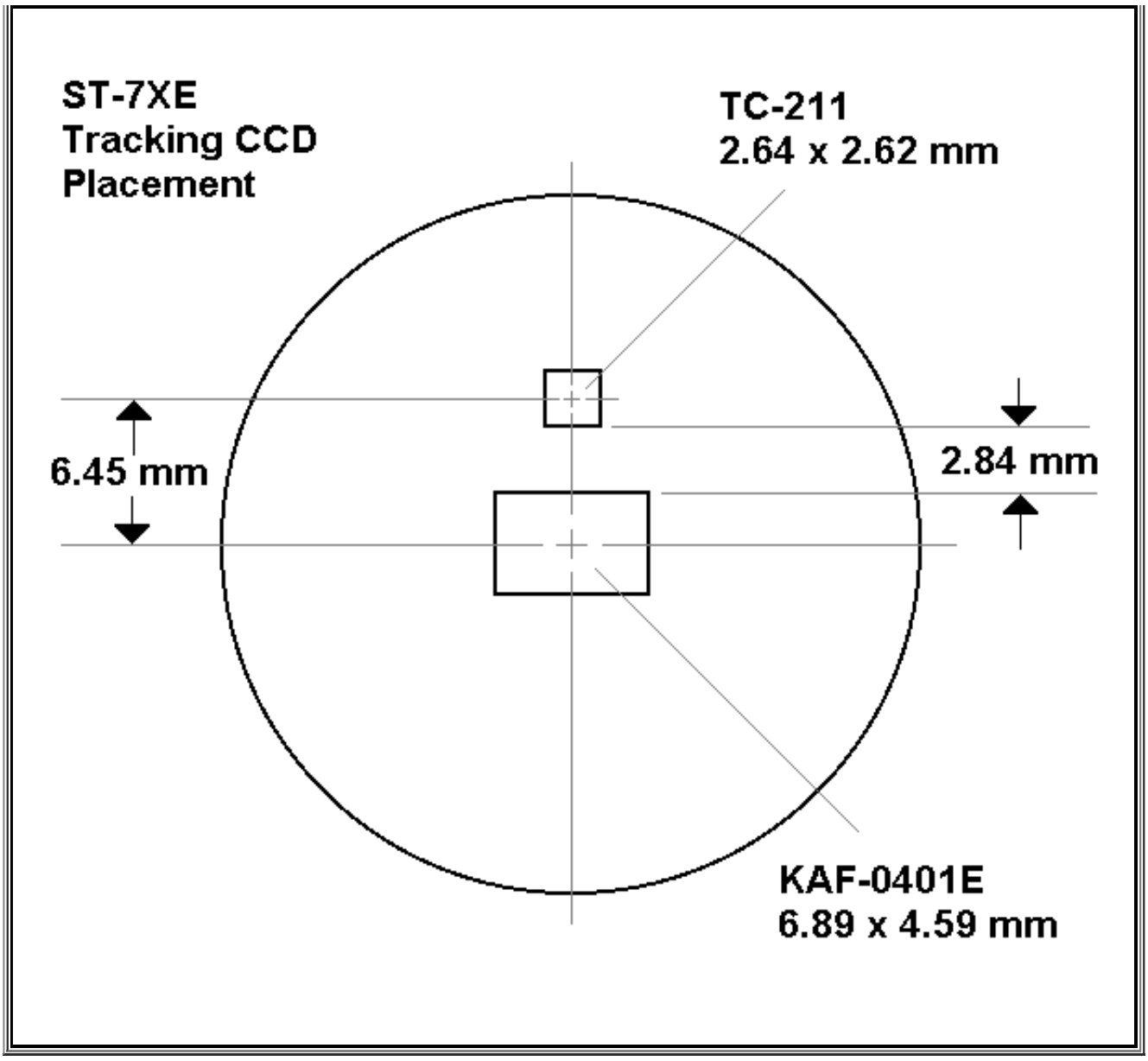
Application Note
Optical Location of Tracking CCD
in SBIG USB Cameras

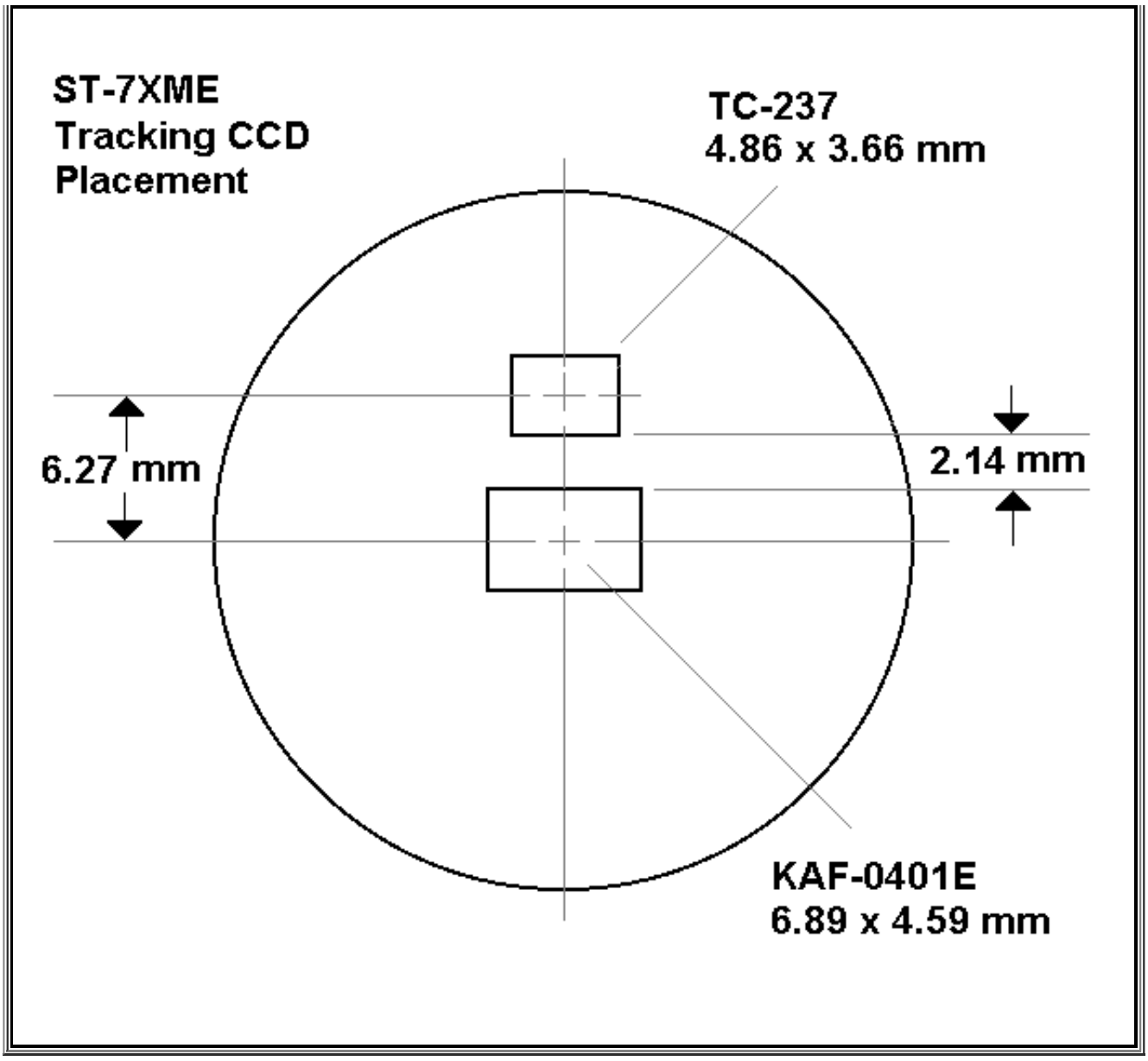
The drawings on this page represent the optical location of the tracking CCD relative to the center of imaging CCD and the optical window of the camera. The CCD sizes are the active imaging area only and not the mechanical size of the part. The tracking CCD is actually mounted at right angles to the imaging CCD and is illuminated by a mirror. This information is provided for those who wish to calculate the relative fields of view of each CCD and for input to planetarium programs such as TheSky for generating field of view indicators.

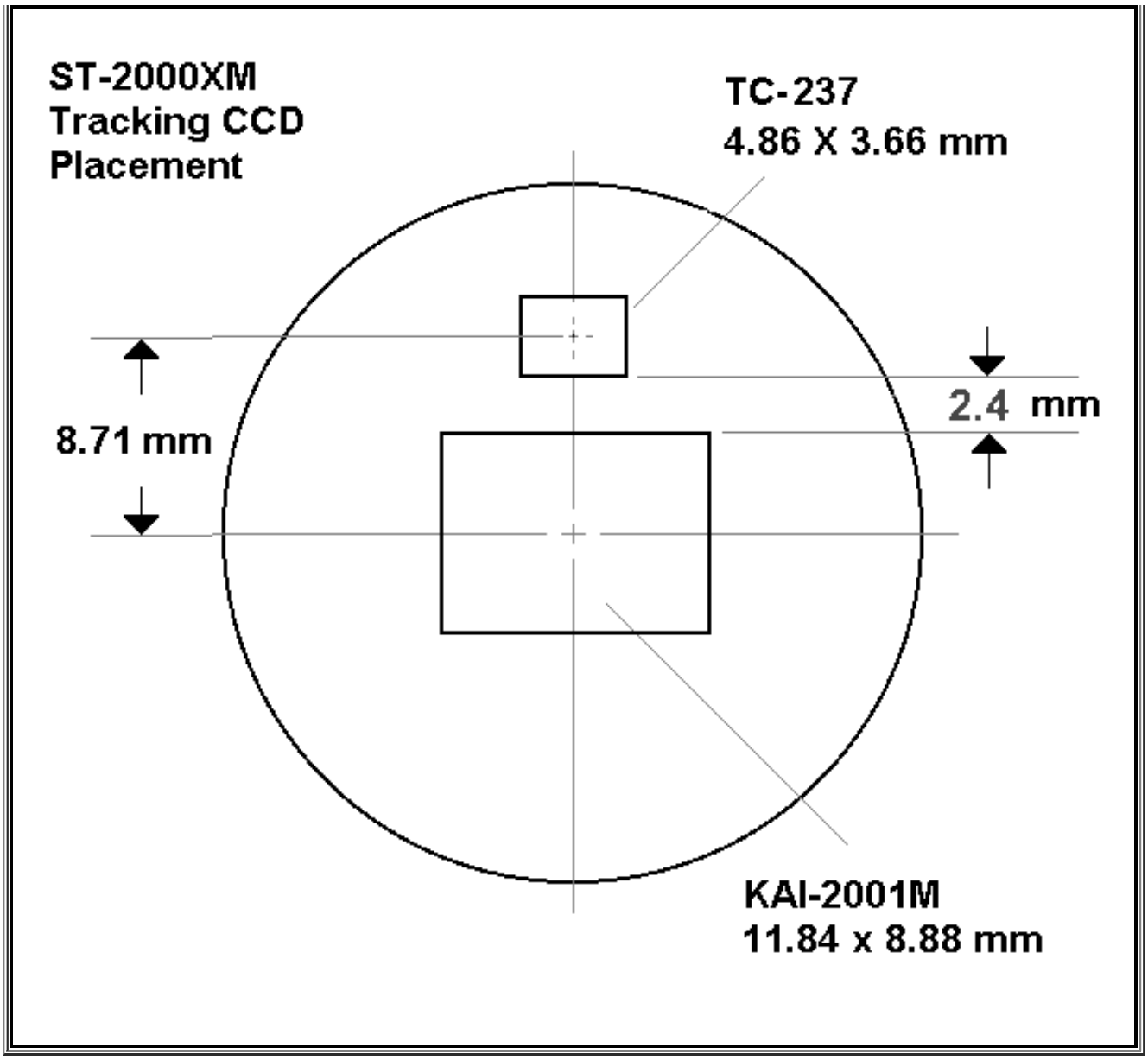


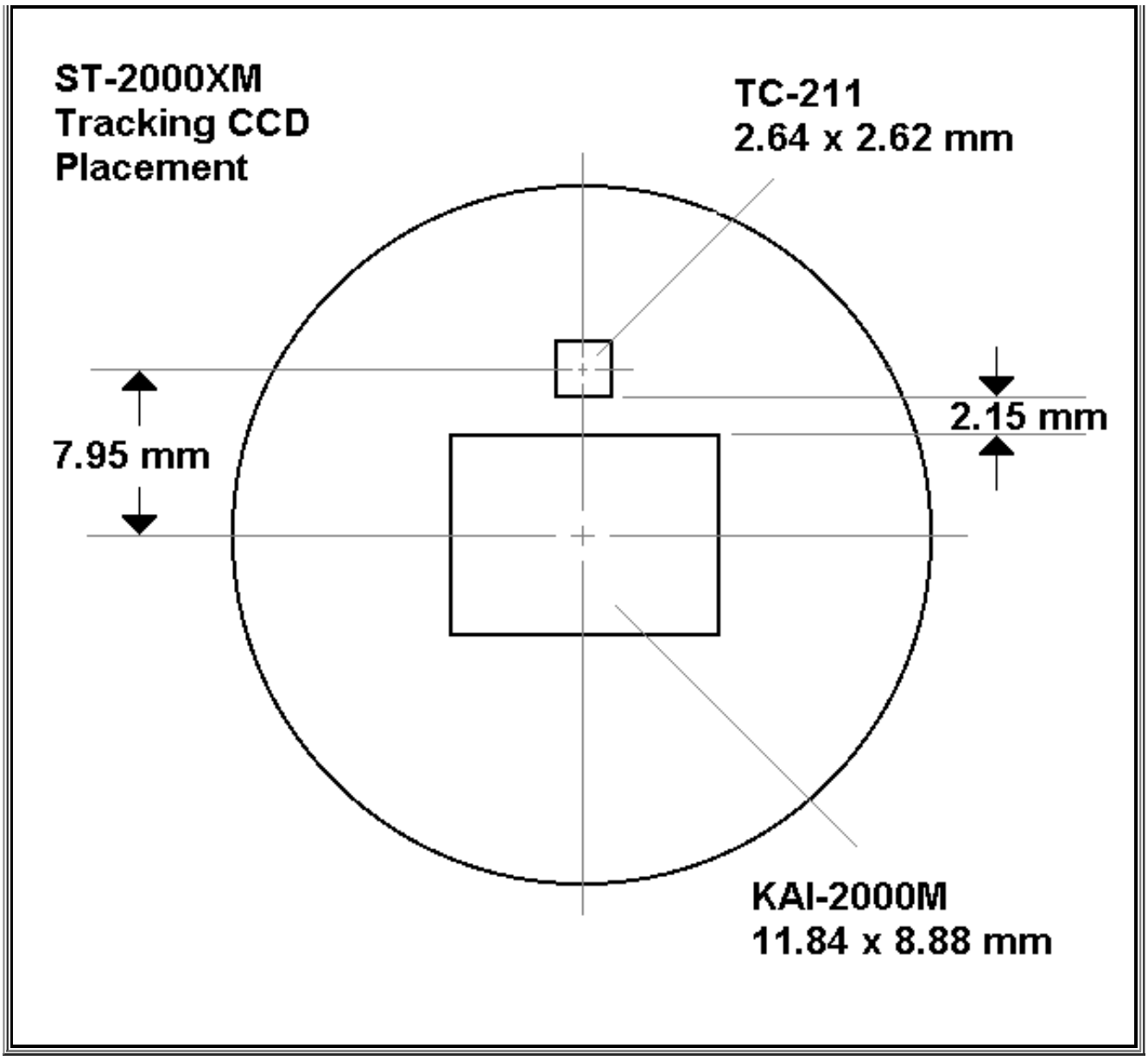

ST-9XE
Tracking CCD
Placement
TC-237
4.86 x 3.66 mm
8.69 mm
1.74 mm
KAF-0261E
10.24 x 10.24 mm


ST-8XE
Tracking CCD
Placement
TC-237
4.86 x 3.66 mm
2.76 mm
9.19 mm
KAF-1602E
13.77 x 9.18 mm


ST-7XE
Tracking CCD
Placement
TC-211
2.64 x 2.62 mm
6.45 mm
2.84 mm
KAF-0401E
6.89 x 4.59 mm


ST-7XME
Tracking CCD
Placement
TC-237
4.86 x 3.66 mm
6.27 mm
2.14 mm
KAF-0401E
6.89 x 4.59 mm


ST-2000XM
Tracking CCD
Placement
TC-237
4.86 X 3.66 mm
2.4 mm
8.71 mm
KAI-2001M
11.84 x 8.88 mm


ST-2000XM
Tracking CCD
Placement
TC-211
2.64 x 2.62 mm
7.95 mm
2.15 mm
KAI-2000M
11.84 x 8.88 mm