

Tiny Scope: Strength in Numbers



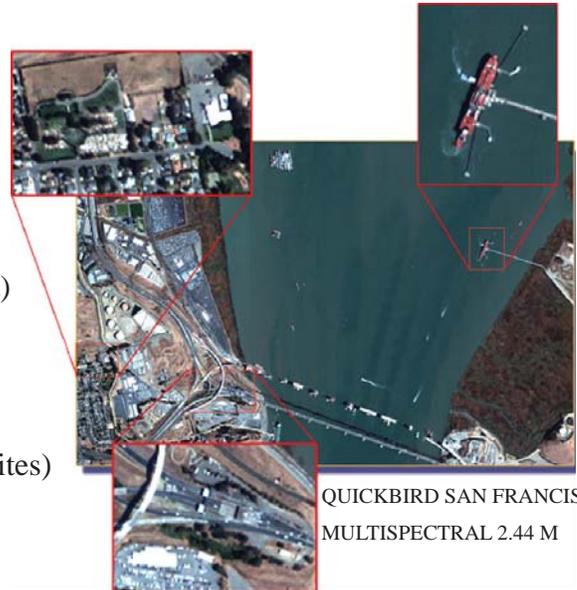
WORLDVIEW 1, SAN DIEGO, 2006 JAN
PANCHROMATIC 0.51 M

STRATEGIC CAPABILITIES

- WorldView Class
- Sub-meter panchromatic resolution at 500km (alt)
- \$500M (build and launch cost)
- Single satellite ~1.7 day revisit
- 4+ images per theater pass
- Delta II launch vehicle

TACTICAL CAPABILITIES

- CubeSat Class
- 2.5 meter multispectral resolution at 500km (alt)
- 60 satellites—global coverage (total cost \$33M)
- ~\$250k per satellite
- ~\$9.1M Falcon 1E launch cost (30 satellites)
- 1 hr. maximum revisit (full constellation)
- 4 images per theater pass
- Designed for multi-launch vehicle capability



QUICKBIRD SAN FRANCISCO 2005 SEP
MULTISPECTRAL 2.44 M



5U CUBESAT (10CM X 10CM X 50CM)
12 KG, DESIGN LIFE: 2 YRS
IMAGE FOOTPRINT 6KM X 12KM

TINY SCOPE

- Designed to provide rapid response (1 hr from launch) situational awareness for the disadvantaged tactical user.
- Larger numbers provide persistent global coverage, reduces manufacturing costs and relaxes reliability requirements.
- Compact size complements other tactical sensing platforms with persistent and undetected surveillance.

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BECAUSE THE WORLD IS WATCHING

