Hypothosis
- It's been almost 5 years since the CAMS systems were spec'd
- The latest models of low cost security cameras based on 1/3" sensors might now be sensitive enough to perform for CAMS
- The smaller sensor, full-sky coverage may be obtained by using different focal length lenses depending on elevation angle
- Is the resolution good enough for CAMS?
  - Spatial resolution for accurate meteor surveillance at the target 4 arcmin/pixel or smaller
- Is the FOV large enough to build an all-sky array using 16 cameras?

1/3" f/1.2 Fixed Iris IR Lens Set
- S8 each 1/3" lens performed better than the Pentax 12mm f/1.2 (IR focuses along with visual spectrum)
- For Single-CAMS, recommend purchase one set for each camera
- For an array, purchase extra lenses of different focal lengths
- If you can get some F/0.75 - F/0.95, you'll get improved results (though most have coma issues)

Area of Coverage
There is nothing that says that a 16 camera array must provide contiguous complete all-sky coverage with no gaps - as long as there is another camera paired to overlap the area
The lower the angle of view, the larger the area of coverage

100H vs Wattec
- Same meteor, same lens, different cameras
- The Wattec represents the standard

Limiting Magnitude

Frame Rate (Strobing)
- Care must be taken to adjust the settings to prevent the camera from going into Sense-Up or Night Mode
- In these settings, we found that the frame rate dropped to 1/30 or 1/15 sec
- It's important to use interlaced capture

Use AutoCAMS for Autonomous Operation
- AutoCAMS is a script-based wrapper around the single-CAMS software
- Facilitates the use of the programs and utilities
- User-configurable to achieve full autonomous operation for months (until you run out of disk space)