

Re: CCTV camera for Perseid

Source: <http://sci.tech-archive.net/Archive/sci.astro.amateur/2007-07/msg01059.html>

- *From:* Chris L Peterson <clp@xxxxxxxxxxxxxxxxxxxxx>
 - *Date:* Thu, 26 Jul 2007 14:23:38 GMT
-

On Thu, 26 Jul 2007 05:22:41 -0700, chinkiak@xxxxxxxxxx wrote:

I was looking for a CCTV camera for the coming Perseid & found one that claim to be 0.02lux. What magnitude of meteor that can be record with this? Or do I those camera like stellacam II to do the job?
Thanks

The magnitude of meteor that can be recorded depends on a variety of things besides the sensitivity of the camera, including the angular speed of the meteor and the sort of lens you use on the camera.

Although the lux ratings for cameras are not well standardized (you can't accurately compare camera sensitivities with this value), 0.02 lux is not a terribly sensitive camera. A very good camera for meteor capture is the Supercircuits PC164C. With a fisheye lens this will catch meteors down to about magnitude 1-2. With a narrower field lens the sensitivity will increase, but you are more likely to miss meteors.

Cameras like the Stellacam offer no advantages for meteor capture work (but are considerably more expensive).

Chris L Peterson
Cloudbait Observatory
<http://www.cloudbait.com>