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1
00:00:07,520 --> 00:00:12,720
An All-Sky Camera is like a low-light level
surveillance camera that you find in the department

2
00:00:12,720 --> 00:00:13,720
store.

3
00:00:13,720 --> 00:00:18,900
We stick a fish-eye lense on top of it so
it can see the entire sky and we position

4
00:00:18,900 --> 00:00:25,090
these all around the country and they're separated
by about 50 to 80 miles so we can triangulate

5
00:00:25,090 --> 00:00:30,160
and determine the meteor trajectory in it's
orbit and how big it is and stuff like that.

6
00:00:30,160 --> 00:00:32,550
We have about 15 of these.

7
00:00:32,550 --> 00:00:39,579
Six in the Southeast, three are up in Ohio
and Pennsylvania, two are in New Mexico and

8
00:00:39,579 --> 00:00:44,079
three are in Arizona and we're looking to
deploy more and with these we can see the

9
00:00:44,079 --> 00:00:47,040
bigger meteroids, the stuff about an inch
across.

10
00:00:47,040 --> 00:00:50,010
The camera is what we call ytech902h2.

11
00:00:50,010 --> 00:00:54,440
It’s simply a 30 Frames per second surveillance

camera.

12
00:00:54,440 --> 00:00:55,530
It's extremely sensitive.

13
00:00:55,530 --> 00:01:00,850
It’s like what you put in a dark parking
lot so it's good at seeing things in the dark.

14
00:01:00,850 --> 00:01:02,780
What makes it special is the software.

15
00:01:02,780 --> 00:01:07,780
We pipe that video into a computer and the
software that is constantly looking at that

16
00:01:07,780 --> 00:01:13,740
video stream and looking for meteors and when
it finds a meteor in the video it saves it

17
00:01:13,740 --> 00:01:15,510
off the disc for analysis.