



1
00:00:04,070 --> 00:00:01,910
i was quite surprised how many people

2
00:00:05,030 --> 00:00:04,080
were still unconvinced that this video

3
00:00:08,070 --> 00:00:05,040
of joe biden

4
00:00:10,470 --> 00:00:08,080
wasn't a green screen video after i did

5
00:00:12,709 --> 00:00:10,480
my little explanation video

6
00:00:14,470 --> 00:00:12,719
but i realized that my video was really

7
00:00:17,590 --> 00:00:14,480
just demonstrating how the

8
00:00:18,710 --> 00:00:17,600
large dead cat microphone looked like it

9
00:00:20,870 --> 00:00:18,720
should have been in front of the hand

10
00:00:22,470 --> 00:00:20,880
when it was in fact behind the hand

11
00:00:24,150 --> 00:00:22,480
and other people were focusing more on

12
00:00:26,070 --> 00:00:24,160
the positions of the microphone

13
00:00:28,630 --> 00:00:26,080

like how could it be so far away in one

14

00:00:31,509 --> 00:00:28,640

picture and so close in another picture

15

00:00:33,350 --> 00:00:31,519

so i set up a outdoors experiment

16

00:00:35,030 --> 00:00:33,360

similar to before where i

17

00:00:36,549 --> 00:00:35,040

set up two microphones two fake

18

00:00:38,549 --> 00:00:36,559

microphones in roughly the same

19

00:00:41,030 --> 00:00:38,559

positions and set up two cameras

20

00:00:41,830 --> 00:00:41,040

and then kind of wave my hands around in

21

00:00:43,750 --> 00:00:41,840

the middle

22

00:00:45,350 --> 00:00:43,760

try to demonstrate where things were you

23

00:00:48,150 --> 00:00:45,360

can kind of see here

24

00:00:49,350 --> 00:00:48,160

that the big grey microphone is off to

25

00:00:53,350 --> 00:00:49,360

the left of the screen

26
00:00:54,069 --> 00:00:53,360
and the the blacker microphone is off to

27
00:00:57,590 --> 00:00:54,079
the right

28
00:00:58,549 --> 00:00:57,600
of the screen and the biden's hand is in

29
00:01:00,470 --> 00:00:58,559
between the two

30
00:01:01,910 --> 00:01:00,480
but and you can kind of see what's going

31
00:01:04,469 --> 00:01:01,920
on with this video

32
00:01:06,149 --> 00:01:04,479
but it occurred to me it'd be useful to

33
00:01:08,070 --> 00:01:06,159
kind of see exactly where things were in

34
00:01:09,590 --> 00:01:08,080
3d space and to do that i would have to

35
00:01:11,190 --> 00:01:09,600
run around with a camera showing

36
00:01:13,190 --> 00:01:11,200
everything but so instead i just set up

37
00:01:14,870 --> 00:01:13,200
this little model here

38
00:01:16,710 --> 00:01:14,880

and this is kind of like the view from

39

00:01:19,030 --> 00:01:16,720

one side and we see

40

00:01:20,789 --> 00:01:19,040

down here this is where the gray object

41

00:01:21,429 --> 00:01:20,799

would be and it became just against his

42

00:01:23,830 --> 00:01:21,439

uh

43

00:01:26,149 --> 00:01:23,840

his hip right here and then the other

44

00:01:28,070 --> 00:01:26,159

microphone here is just

45

00:01:31,109 --> 00:01:28,080

his left his right hand is just in front

46

00:01:34,789 --> 00:01:31,119

of it his left hand is just behind it

47

00:01:35,990 --> 00:01:34,799

and we can move the camera around here

48

00:01:37,830 --> 00:01:36,000

and this is what it looks like from the

49

00:01:39,910 --> 00:01:37,840

front you see the the

50

00:01:41,429 --> 00:01:39,920

the camera that would be the black

51
00:01:43,590 --> 00:01:41,439
cameras right in the middle and the gray

52
00:01:44,630 --> 00:01:43,600
camera over here is is quite a bit over

53
00:01:47,910 --> 00:01:44,640
to the side

54
00:01:50,950 --> 00:01:47,920
if we keep going around

55
00:01:54,550 --> 00:01:50,960
you'll see it looks like his

56
00:01:57,109 --> 00:01:54,560
right hand is basically touching

57
00:01:58,709 --> 00:01:57,119
this uh this pseudo microphone here when

58
00:01:59,270 --> 00:01:58,719
in fact he's quite a long way away from

59
00:02:04,789 --> 00:01:59,280
it

60
00:02:06,469 --> 00:02:04,799
especially when you go all the way back

61
00:02:08,630 --> 00:02:06,479
and so you get this weird illusion where

62
00:02:16,229 --> 00:02:08,640
things look very different from one

63
00:02:19,350 --> 00:02:17,430

there's some other stuff in the video

64

00:02:21,110 --> 00:02:19,360

about the edges looking a bit weird and

65

00:02:22,630 --> 00:02:21,120

the colors not looking right but that's

66

00:02:24,229 --> 00:02:22,640

just you know poor quality video

67

00:02:27,030 --> 00:02:24,239

compression artifacts and i

68

00:02:29,030 --> 00:02:27,040

don't think it's really worth going into

69

00:02:31,350 --> 00:02:29,040

as you can see from the uh the original

70

00:02:33,110 --> 00:02:31,360

video that you know he's there

71

00:02:34,869 --> 00:02:33,120

it's two different angles and the video

72

00:02:36,390 --> 00:02:34,879

continues and he walks off and he goes

73

00:02:37,110 --> 00:02:36,400

and gets in the helicopter and flies

74

00:02:38,869 --> 00:02:37,120

away

75

00:02:40,710 --> 00:02:38,879

very difficult to do indoors on a green

76

00:02:43,270 --> 00:02:40,720

screen and

77

00:02:46,309 --> 00:02:43,280

frankly at this point if you still think

78

00:02:49,190 --> 00:02:46,319

it's a green screen

79

00:02:50,630 --> 00:02:49,200

you need to take a little break and come

80

00:02:51,110 --> 00:02:50,640

back to it later and have another look