



# Choose Your Camera

## Vaddio® Makes It Easy

### Consider the Room Environment

- How large is the room? Where will you place the camera(s) to have an unobstructed view? Large auditoriums need higher magnification than classrooms or conference rooms. Small rooms may need a wide angle of view.
- How much light is in the room? Will the lighting be sufficient for the camera? Normal office lighting is 320 to 500 lux, while moonlight is 1 lux.

### Consider Subject Matter & Zoom

- What is your subject matter? One person – head and shoulders view? Three people? A group of 20 people? How will you frame the subject matter? Will you need a zoom lens? For details, see Camera Distance & Angles of View on back.

### Consider Video Output Connections

- Vaddio cameras connect to other equipment, so consider what kind of connections you'll need. What is your camera connected to? What video output format is required?
- Will you need camera cable extensions? Vaddio's extension systems include OneLINK digital extenders and Quick Connect HSDS (High speed differential signaling) extenders which extend video, power and control. For details, see Cables and Connections on back.



### Consider Vaddio Cameras

- For best image quality, choose RoboSHOT® 20 UHD
- For best low light performance, choose RoboSHOT 30 HDBT™
- For widest field of view/PTZ (74°), choose RoboSHOT 12, ConferenceSHOT™ 10
- For widest field of view/fixed (82°), choose WideSHOT™
- IP streaming capable: RoboSHOT 12 USB/HD-SDI/HDBT Series  
RoboSHOT 30 HD-SDI/HDBT Series  
RoboSHOT 20 UHD  
ConferenceSHOT Series
- All Vaddio cameras include: IR remote, wall mount, mounting hardware, power supply, AC cord set, and EZCamera Control Adapter RJ-45F to DE-9F.





# Camera Distance & Angles of View

Room size, shot requirements and a camera's zoom capabilities are three factors that you'll need to consider when choosing a video camera. Here are three examples that explain how room size, shot requirements and zoom are tied together. NOTE: All of the viewing cones, measurements and distances were created by using the Vaddio camera distance calculator [support.vaddio.com](https://support.vaddio.com).

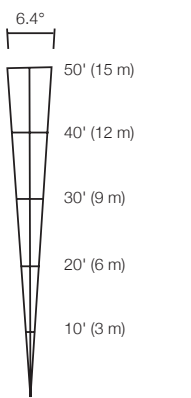
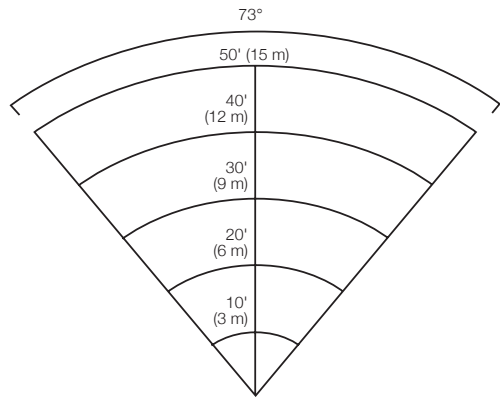
## RoboSHOT 12

The RoboSHOT 12 is an excellent pick for a variety of room sizes. As the tables indicate at 40' (12 m), full tele, the shot is 4.6' (140 cm) Horizontal x 2.6' (86 cm) Vertical or about the size of a presenter at a lectern from the waist up. On the wide end the RoboSHOT 12 is superb wide-angle camera producing an image size of 14.8' (451 cm) wide x 8.3' (253 cm) tall, which will work in virtually every small to medium conference room.



RoboSHOT 12 Image Size (Wide End)	
Distance	Image Size H & V
10' (3 m)	14.8' H x 8.3' V (4.5 x 2.5 m)
20' (6 m)	29.6' H x 16.65' V (9 x 5.1 m)
30' (9 m)	44.4' H x 25' V (13.5 x 7.6 m)
40' (12 m)	59.2' H x 33.3' V (18 x 10.1 m)
50' (15 m)	74' H x 41.6' V (22.5 x 12.7 m)

RoboSHOT 12 Image Size (Tele End)	
Distance	Image Size H & V
10' (3 m)	1.1' H x 0.65' V (33 x 19 cm)
20' (6 m)	2.3' H x 1.3' V (70 x 39 cm)
30' (9 m)	3.5' H x 2' V (107 x 61 cm)
40' (12 m)	4.6' H x 2.6' V (140 x 79 cm)
50' (15 m)	5.76' H x 3.24' V (175 x 99 cm)



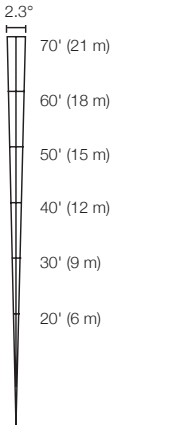
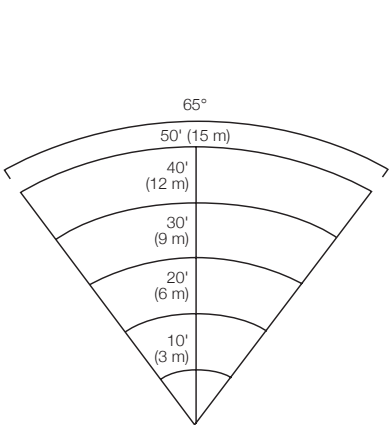
## RoboSHOT 30

The RoboSHOT 30 is an exceptional pick for a large to medium sized room, but with 65° wide angle lens and a 2.3° telephoto lens, this camera is both powerful and versatile. At 70' (21 m) the impressive lens produces an image of only 2.9' (88 cm) wide by 1.63' (50 cm) tall, which is about the size of a head and shoulder shot. Whether it is a large House of Worship, auditorium, lecture theatre or even a medium sized conference/ training room, the RoboSHOT 30 is an ideal fit.



RoboSHOT 30 Image Size (Wide End)	
Distance	Image Size H & V
10' (3 m)	12.74' H x 7.17' V (3.9 x 2.2 m)
20' (6 m)	25.5' H x 14.34' V (7.8 x 4.4 m)
30' (9 m)	38.2' H x 21.5' V (11.6 x 6.5 m)
40' (12 m)	50.1' H x 28.7' V (15.3 x 8.7 m)
50' (15 m)	53.7' H x 35.84' V (16.4 x 10.9 m)

RoboSHOT 30 Image Size (Tele End)	
Distance	Image Size H & V
20' (6 m)	0.83' H x 0.47' V (25 x 14 cm)
30' (9 m)	1.24' H x 0.7' V (38 x 21 cm)
40' (12 m)	38.2' H x 21.5' V (51 x 28 cm)
50' (15 m)	50.1' H x 28.7' V (64 x 35 cm)
60' (21 m)	53.7' H x 35.84' V (88 x 49 cm)

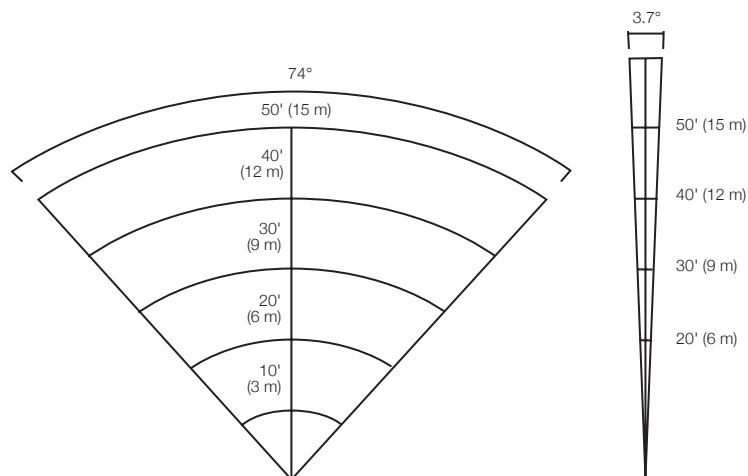


## RoboSHOT 20 UHD

The RoboSHOT 20 UHD is a 4k (2160p/30) camera that has pristine clarity and color reproduction. When used as a 1080p/60 camera the camera is simply the best Vaddio PTZ camera available to date. The camera has a 12x optical zoom with a 1.67 ClearVIEW zoom on an 8.93 Megapixel sensor that make this camera useable up to a full 20x.

RoboSHOT 20 UHD Image Size (Wide End)	
Distance	Image Size H & V
10' (3 m)	12.74' H x 7.17' V (3.9 x 2.2 m)
20' (6 m)	25.5' H x 14.34' V (7.8 x 4.4 m)
30' (9 m)	38.2' H x 21.5' V (11.6 x 6.5 m)
40' (12 m)	50.1' H x 28.7' V (15.3 x 8.7 m)
50' (15 m)	53.7' H x 35.84' V (16.4 x 10.9 m)

RoboSHOT 20 UHD Image Size (Tele End)	
Distance	Image Size H & V
20' (6 m)	1.3' H x 0.73' V (40 x 22 cm)
30' (9 m)	1.94' H x 1.1' V (59 x 34 cm)
40' (12 m)	2.6' H x 1.45' V (79 x 44 cm)
50' (15 m)	3.23' H x 1.82' V (98 x 55 cm)
60' (21 m)	3.88' H x 2.18' V (118 x 66 cm)



## Extension Systems

Extend your reach and simplify installation with Vaddio's cable extension systems.

Cable Extension Systems for Video, Power and Control				
Product	Outputs	Distance	# Cat-5 Cables	Transport Type
OneLINK HDMI	HDMI, IP Streaming with capable camera	328' (100 m)	One	HDBaseT

Cable Extension Systems for Video, Power and Control				
Product	Outputs	Distance	# Cat-5 Cables	Transport Type
Quick-Connect QMini	USB 2.0	100' (30 m)	Two	HSDS, High Speed Differential
Quick-Connect QDVI	DVI/HDMI and Analog YPbPr	100' (30 m)	Two	HSDS, High Speed Differential
Quick-Connect QUSB	HDMI, YPbPr and USB 2.0, IP streaming	100' (30 m)	Two	HSDS, High Speed Differential
Quick-Connect QCCU	HDMI, YPbPr and HD-SDI	500' (152 m)	Three	HSDS, High Speed Differential



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