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?

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? Extend your reach with Vaddio’s 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 or RoboSHOT 40 UHD
- For best low light performance, choose RoboSHOT 30E HDBT
- For widest field of view with PTZ functions, choose a camera from the ConferenceSHOT lineup (74°)
- For widest field of view without PTZ functions, choose HuddleSHOT (130°)
- IP streaming capable: RoboSHOT 12E SDI/HDMI/HDBT/USB Series
  RoboSHOT 30E SDI/HDMI/HDBT/USB Series
  RoboSHOT 20 UHD
  RoboSHOT 40 UHD
  ConferenceSHOT Series
  DocCAM 20 HDBT
  RoboSHOT IW
- All Vaddio cameras include: IR remote, wall mount, mounting hardware, power supply or PoE injector, AC cord set, and EZCamera Control Adapter RJ-45F to DE-9F.
### Consider the Room Environment
- How large is the room? Will you position the camera 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 0.1 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?

### 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?

### Vaddio Cameras
- For best image quality, choose RoboSHOT 30E HDBT.
- For best low-light performance, choose RoboSHOT 40 UHD.

### Minimum Illumination
- 0.4 Lux (F1.6) 0.15 Lux (F1.5) 0.015 Lux 0.3 Lux (F1.6) 0.2 Lux (F1.8)

### Zoom
- 3.1° Tele End 111° Wide End

### Pan/Tilt Range
- Tilt (Manual): ± 30° ± 180°

### Audio Features
- Microphone
- Speakers
- TableMIC

### Extension System
- HDMI, 3G-SDI, Audio
- Power, Control and Video
- Power, Video, Control and Audio
- Audio, Power, Video, and Control
- Power, Video, Control, and Audio
- Power, Video, Control, Audio, and HDMI
- Power, Video, Control, Audio, HDMI, and Extension System

### Control Methods
- Silent BLDC Direct Drive
- Drive Motors
- -HDBaseT
- -3G-SDI
- -USB 3.0

### Warranty
- 2 years

### Video Signal/Noise Ratio
- 74.0° Wide End

### Video Sensor Type
- Frame
- Black or White

### Image Sensor Type
- 1/2.3 Exmor R CMOS
- 1/3 CMOS
- 1/2.8 Exmor CMOS

### Webcams
- 8.93 Megapixel

### Network Output
- Simultaneous IP Streaming
- RTMP
- -HDMI
- -IP Streaming

### Simultaneous Output
- HDMI Cameras
- HDBT Cameras
- USB Cameras
- Cat-5 Cameras

### Direct Output Pan Tilt Zoom (PTZ) Cameras
- 3G-SDI
- -USB 3.0
- -3G-SDI
- -HDMI

### USB Cameras
- - - -

### Control Extension Systems
- - - -

### USB Cameras
- - - -

### Cat-5 Cameras
- - - -

### HDBT Cameras
- - - -

### Fixed Cameras
- - - -

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**Table:**

<table>
<thead>
<tr>
<th>Feature</th>
<th>RoboSHOT 30E HDBT</th>
<th>RoboSHOT 40 UHD</th>
<th>RoboSHOT 12E SDI</th>
<th>ConferenceSHOT</th>
<th>DocCAM 20 HDBT</th>
<th>WideSHOT SE</th>
<th>RoboSHOT IW</th>
<th>RoboSHOT 20 UHD</th>
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<th>RoboSHOT 12E SDI</th>
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<tr>
<td>Model</td>
<td>RoboSHOT 30E HDBT</td>
<td>RoboSHOT 40 UHD</td>
<td>RoboSHOT 12E SDI</td>
<td>ConferenceSHOT</td>
<td>DocCAM 20 HDBT</td>
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**Diagram:**

- [Diagram of Vaddio Camera Selections](image)
RoboSHOT Elite Series
Professional PTZ Cameras
Designed with new technologies for picture-perfect HD brilliance
RoboSHOT UHD

RoboSHOT UHD PTZ cameras provide crystal clear ultra high definition video, a variety of simultaneous outputs and offer Tri-Synchronous motion technology for smooth, simultaneous 3-axis pan/tilt/zoom movement.

The RoboSHOT 40 UHD is a broadcast-quality PTZ camera that gives you 40x zoom, genlock capabilities, silky smooth pan-tilt-zoom motion, and outstanding 4K image quality – all at a surprisingly competitive price. Whether it’s campus news, sporting events, esports, government meetings or wedding ceremonies, you can count on RoboSHOT 40 UHD for truly brilliant video footage for broadcasting, streaming and recording.

The RoboSHOT 20 UHD is an ultra HD PTZ camera with pristine image quality and outstanding low-light performance. This 4K camera offers enterprise-class features including administrative control and remote operation via web interface and IP streaming. Designed with a 20x zoom and 74° FOV, it’s ideal for medium to large spaces for applications such as higher education, corporate broadcast and houses of worship.

Extension Systems

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

<table>
<thead>
<tr>
<th>Product</th>
<th>Outputs</th>
<th>Distance</th>
<th># Cat-5 Cables</th>
<th>Transport Type</th>
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<tbody>
<tr>
<td>OneLINK HDMI</td>
<td>HDMI, IP Streaming with capable camera</td>
<td>328’ (100 m)</td>
<td>One</td>
<td>HDBaseT</td>
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<td>OneLINK Bridge</td>
<td>HDMI, SDI, USB 3.0, Audio, IP Streaming with capable camera</td>
<td>328’ (100 m)</td>
<td>One</td>
<td>HDBaseT</td>
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</table>

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<tr>
<th>Product</th>
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<th>Distance</th>
<th># Cat-5 Cables</th>
<th>Transport Type</th>
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<tbody>
<tr>
<td>Quick-Connect QMini</td>
<td>USB 2.0</td>
<td>100’ (30 m)</td>
<td>Two</td>
<td>HSDS, High Speed Differential</td>
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<td>Quick-Connect QDVI</td>
<td>DVI/HDMI and Analog YPbPr</td>
<td>100’ (30 m)</td>
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<td>HSDS, High Speed Differential</td>
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<td>Quick-Connect QUSB</td>
<td>HDMI, YPbPr and USB 2.0, IP streaming</td>
<td>100’ (30 m)</td>
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<td>Quick-Connect QCCU</td>
<td>HDMI, YPbPr and HD-SDI</td>
<td>500’ (152 m)</td>
<td>Three</td>
<td>HSDS, High Speed Differential</td>
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