RoboSHOT™ HD PTZ Cameras
Frequently Asked Questions

Will the RoboSHOT cameras be included on the Vaddio PTZ Image Size Calculator?
 A) The RoboSHOT 12 and RoboSHOT 30 PTZ cameras will be prominently featured.

For the RoboSHOT 12 model, what is the official size of a "conference room"?
 A) An "average sized conference room" can vary widely; from 12' to 28' wide and 12' to 28' deep, which is easily covered with a 10X to 12X zoom magnification. Vaddio provides a PTZ Image Size Calculator online for free, which makes camera selection easy.

Are the RoboSHOT cameras truly 1080p/60 native resolution?
 A) Yes, all RoboSHOT cameras are 1080p/60 native resolution. The Exmor® CMOS 1/2.8", high-frame rate, low-noise image sensor has 2.14M effective picture elements and 2.38M total pixels.

Which Quick-Connect™ Interfaces work with the RoboSHOT Cameras?
 A) The easy answer is all of them. There are 5 models available in packages: Quick-Connect USB Mini, Quick-Connect SR, Quick-Connect DVI/HDMI, Quick-Connect USB and Quick-Connect Universal CCU. The Quick-Connects are packed as a system with the RoboSHOT camera, IR remote, wall mount, power supply, AC cord set and RJ-45F to DE-9F control adapter. Just add Cat-5 cable and stir.

Can you use existing mounts with the RoboSHOT cameras?
 A) Each RoboSHOT camera ships with a Thin Profile Wall Mount. There is no reason that an existing mount can't work. Just measure the mount and camera and make sure the ¼" x 20 screw can attach the camera safely to the existing mount. With that said, I would use the mount designed for the camera (just sayin').

Which camera mounts are going to be available?
 A) As established in the preceding question, a Thin Profile Wall Mount is included with each RoboSHOT Camera System. An IN-Wall™ Mount, IN-Ceiling™ Half-Recessed Mount and DomeVIEW™ HD domes (Flush Mount, Indoor Pendant and Outdoor Pendant domes) will all be available for RoboSHOT.

What size screw is used to mount the camera?
 A) A 1/4" x 20 x 3/8" mounting screw is provided with the bundled camera (ships with the camera and mount).

Can different scenes be recalled within the camera (different types of lighting or scaled outputs)?
 A) The embedded web server works with any approved browser and providing 6-preset lighting scenes and 3-user programmable scenes with basic CCU functionality. A high quality scaler is part of the advanced ISP (Image Signal Processor) and many HD resolutions are offered.

What are the approved web browsers that work with the RoboSHOT's embedded web server?
 A) Chrome® (latest version), Firefox® (latest version, Internet Explorer® (versions 8 through 11) and Safari® (versions 6 and 7) have been tested thoroughly with RoboSHOT and are compatible.

How many presets store in the camera?
 A) The RoboSHOT cameras can store 16 presets internally.

When setting presets using a ProductionVIEW™, can we set each preset with the different speeds allowed in the RoboSHOT camera settings?
 A) Yes, the presets are stored in the camera so speed can be stored separately per preset location.

Can the resolutions be set per preset?
 A) Not a chance. Most switchers and monitors won't like that very much.

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Which remote will be used with these cameras?
  A) The Vaddio IR Remote Commander is provided with each RoboSHOT.

Does the IR remote allow for fast and slow zoom when not using presets?
  A) Yep.

What kind of control is available through a 3rd party control system?
  A) There are four (4) methods of control available with the RoboSHOT platform.   These controls include an embedded web server accessible through any approved browser, RS-232 serial control (augmented VISCA®), Telnet, and finally the Vaddio IR Remote Commander.

Can you like change the zoom speed, like in vs. out?
  A) Like yes, with Tri-Synchronous™ presets the user can select a speed gradient reference value between two camera presets as each preset destination has a user definable arrival speed. With a joystick controller, like the Vaddio Precision Camera Controller, pan, tilt and zoom speeds are readily accessible on the front panel to change the speed in real-time. The IR Remote commander also has a fast or slow zoom buttons.

Can the pan, tilt and zoom be controlled over IP?
  A) Yes, the pan, tilt and zoom of the RoboSHOT cameras can be controlled via approved web browser in all 8-directions including the diagonals. Individual pan, tilt and zoom speeds can be controlled in real-time. Positional presets, CCU Scenes and Tri-Sync presets can also be set and recalled over IP.

My consultant has observed with our cameras and other manufacturers cameras (like Sony® or Canon®) that when you pair the cameras up to a control system (Crestron® or AMX®) that the PTZ increases in speed?
  A) With regard to PTZ speeds, Vaddio cameras have the ability to vary the speeds when using Crestron or AMX. There is a set of commands that can be programmed to change or specify exact speeds. Canned drivers or macros from Crestron and AMX typically use default speed settings. If the programmer has the chops, then the programmer can easily control the speeds of the PTZ motion by adding the published commands, which are of course, in the manual.

Can the RoboSHOT be controlled with a Cisco® IR remote?
  A) Not directly, but IR Forwarding allows the camera to forward the IR signals from the Cisco remote to the Cisco codec, essentially letting the codec to control the camera (VISCA protocol). IR Forwarding is available on the Quick-Connect SR and The Quick-Connect DVI/HDMI-SR. However, the firmware to allow IR Forwarding will likely be available in future RoboSHOT firmware releases.

Will the RoboSHOT cameras work with the old version of the CCU?
  A) The Quick-Connect Universal CCU will be packaged with the RoboSHOT cameras. An existing Quick-Connect Universal CCU will need a firmware update to recognize the RoboSHOT.

How many Cat-5 cables do these cameras need?
  A) It depends on the system configuration. It will require at least two (2) Cat-5s for most systems to transport high speed differential video, power and control with the Quick-Connects; USB Mini, SR, DVI/HDMI-SR and USB for distances up to 100' (30.48m). The Quick-Connect Universal CCU uses three (3) Cat-5s for transporting high speed differential video, control and power (power on all 4pr. of one Cat-5 cable) allowing for distances up to 500' (152.4m).

Any solutions to extend power?
  A) Uh, yes…please see answer directly above.

Will Vaddio offer RoboSHOT cameras in white?
  A) Yes, the RoboSHOT 30 model will be offered in both black version and white (well, a very light grey) version.

When will the white version of RoboSHOT be available?
  A) We anticipate the white 30X camera will ship in December 2014.

Will there be a USB 3.0 RoboSHOT?
A) Yes, USB 3.0 and a whole lot more. The RoboSHOT USB will have simultaneous HDMI outputs, USB 3.0 streaming and H.264 streaming (mid-year 2015).

Is Vaddio keeping the ZoomSHOT™ and WideSHOT™ POV camera packages?
A) The ZoomSHOT and WideSHOT cameras will be offered in the current system packages, but let's concentrate on RoboSHOT cameras.

How do you get HD/SDI with a ZoomSHOT or WideSHOT camera?
A) There are no options for HD-SDI outputs on ZoomSHOT or WideSHOT, but if you use a RoboSHOT with Quick-Connect Universal CCU there are individual HD-SDI, HDMI and analog YPbPr outputs; all of which can be used simultaneously…so, back to the RoboSHOT?

Any plans to integrate the RoboSHOTs into the AutoTrak™ system?
A) Yes, eventually we will plan to migrate RoboSHOT cameras into the AutoTrak

Any plans to do a frosted type glass solution like the REVEAL™ Camera?
A) Nope, there are no plans for a REVEAL version in the works.

Are you looking into vibration mounts?
A) Yes, vibration mounts are available through Nigel B. Design.

Will there be any upgrade deals for those who have ClearVIEW or PowerVIEW HD Cameras and want to trade out for RoboSHOT cameras?
A) Not at this time, but you never know about the intentions of our clever marketing folks.

Are the RoboSHOT cameras replacing all other cameras?
A) Not right away, but most probably eventually maybe? Several of the HD-Series PTZ cameras will remain in the product line for the foreseeable future. The PowerVIEW cameras are only a year old and will be available for some time. The ClearVIEW line will be improved with native 60 fps cameras.

How long will service be available for discontinued cameras?
A) Service will be provided for three (3) years after the EOL for any discontinued Vaddio product.

Do we have manuals yet?
A) Manuals will be available in Mid-October, 2014.

Will the CeilingVIEW HD Hideaway motorized ceiling enclosure work with the RoboSHOT cameras?
A) Yes, the RoboSHOT is compatible with the CeilingVIEW HD Hideaway.

When will CAD drawings of cameras and mounts be available and where can I get them?
A) DWG and PDF drawings are posting October 6th, 2014 and can be found at support.vaddio.com or under the support tab at vaddio.com.

The questions listed in this FAQ document were collected during online RoboSHOT demos and were thoughtfully answered by Vaddio's Camera Product Manager. As more questions about RoboSHOT are collected, they will be added to this document while combining space and time into a single manifold of "spacetime", which consists of "events" that are described by a combined referential coordinate system. And for your reading enjoyment, all the legal stuff is provided below.