



CAMERAS

PTZ Cameras
and Camera
Control Systems



HD PTZ Cameras and Camera Systems

Innovative PTZ cameras and camera control systems for the audiovisual, videoconference, and broadcast marketplaces.



Vaddio offers the latest, most innovative, PTZ cameras and camera control systems in the marketplace. From the latest RoboSHOT camera system line featuring true broadcast performance with simultaneous pan, tilt, and zoom action; to the PowerVIEW and ClearVIEW line of HD pan/tilt/zoom, and our class-leading POV cameras; Vaddio brings unprecedented capabilities and performance to the world's most demanding customers.



RoboSHOT 30

RoboSHOT 30x is designed for larger rooms that require a powerful zoom.

The RoboSHOT 30 features a 30x zoom with up to a 65° wide horizontal field-of-view. The RoboSHOT 30 features a Sony 1/2.8-Type Exmor CMOS imaging sensor with native HD resolution of 1080p/60. Completely equipped with Vaddio's Tri-Synchronous Motion and is perfect for medium and large room applications.

*Available in White and Black (shown).



RoboSHOT 12

RoboSHOT 12x is designed for smaller rooms that require a wide angle lens.

The RoboSHOT 12 features a 12x zoom with up to a 73° wide horizontal field-of-view.

The RoboSHOT 12 conferencing camera features a Sony 1/2.8-Type Exmor CMOS imaging sensor with native HD resolution of 1080p/60.

Completely equipped with Vaddio's Tri-Synchronous Motion.

VADDIO TECHNOLOGY

Tri-Synchronous Motion

Vaddio technology that allows all three axes within the camera to move simultaneously and land at a pre-determined destination at the same time. The algorithm calculates the position and velocity of the smooth, direct-drive motor movements between the presets so pan, tilt and zoom arrive at the preset shot simultaneously, creating smooth and useable on-air camera movements. It features a web-based control panel to set the speed presets from super-fast to extremely slow depending on your needs.



Back-side of Camera

Network
HD Video Select
Camera Settings
RS-232
EZ-Power Video
36 VDC (CCU only)

ClearVIEW HD-20sE

The best combined features and functions of its ClearVIEW predecessors (HD-18, HD-19, and HD-20).

A major innovation to the HD-20sE camera is its advanced high-speed, low noise, 1/2.8-Type Exmor CMOS image sensor and advanced Image Signal Processor. The combination of the ISP and the image sensor provide exceptional low-light performance, rated at astonishing 0.3 Lux (color). In addition to the advanced ISP, the HD-20sE comes equipped with a 20X auto-focus zoom lens providing a 63-degree wide to 3.47° tele horizontal field-of-view for a wide range of applications.

*Available in Arctic White (shown) and Black.



CAMERA HIGHLIGHTS

The best camera in its class!

We have put the best features from the previous ClearVIEW line and created the HD-20sE! Advanced ISP, excellent low light capability, and full HD performance are a few of the best features.

The world's
first broadcast-
quality camera
with built-in USB
and Ethernet
streaming.

ClearVIEW HD-USB

HD PTZ camera with USB and Ethernet streaming.

The camera features a 19x optical zoom lens with a 58.1-degree wide angle of view—wide enough to view everyone at a standard conference table, as well as capture an individual from a long distance at 3.2° in a larger room. The ClearVIEW HD-USB also supports H.264 streaming and analog component (YPbPr) outputs built directly into the camera.





PowerVIEW HD-22

The PowerVIEW HD-22 is the industry's first robotic PTZ camera to use the new CMOS 1/2.8-Progressive Scan imaging sensor.

The HD-22 comes equipped with a multi-element 22x optical glass auto-focus zoom lens that provides up to a 65.2° field-of-view for a wide range of telephoto or wide-angle shot options. The advanced 1/2.8-Type, progressive scan image sensor provides for delicate gradations, realistic textures and vivid colors that are comparable to 3-chip camera performance. The HD-22 has excellent low-light capabilities with a minimum illumination rating of 0.4 Lux (color).

PICK YOUR

PTZ

CAMERA



PowerVIEW HD-30

The PowerVIEW HD-30 brings 3-Chip broadcast camera performance to a Single-Chip camera.

The HD-30 improves color and brightness uniformity, ensuring an improved high definition image quality from longer distances. Equipped with a multi-element 30x optical glass auto-focus zoom lens that provides up to a 65° field-of-view for a wide range of telephoto or wide-angle shot options. It also provides exceptional low-light performance of 0.4 Lux (color). The HD-30 has optical zoom power that enables the capture of brilliant and detailed video images even in the largest room applications.



ZoomSHOT

The ZoomSHOT camera is designed for larger rooms that require a powerful zoom.

The ZoomSHOT is a high-quality HD Point-of-View camera with 58° horizontal viewing angle. It provides a 19x optical zoom, auto focus, auto iris, advanced image control and high-definition video resolutions up to 1080p/60. Manual pan and tilt positioning allows for simple, yet precise control.

PICK YOUR

POV

CAMERA

WideSHOT

The WideSHOT camera is designed for small huddle-type rooms that require a very wide angle-of-view.

The WideSHOT is a high-quality Point-of-View camera with 82.2° horizontal viewing angle. Built around a 1/3-Type progressive scan image sensor and powerful image processor, the WideSHOT provides a 0.3 Lux (color), and outputs up to 1080p/60. Manual pan and tilt positioning allows for simple, yet precise control.



Quick-Connect Components

Quick-Connect Universal CCU

Designed for those cameras that require true broadcast image control for the most demanding and critical image quality applications; match your multiple camera images, changing lighting conditions or on the fly camera image controller for live events. The Quick-Connect CCU is equipped with three discrete HD video outputs, HD-SDI, HDMI and Analog Component. The Quick-Connect cabling interface provides Power, Video and Control signals to the camera and can be extended up to 500 feet (152.4 m) away.



Quick-Connect SR

The Short Range Interface provides an easy way for integrators to install and power remote cameras. The Quick-Connect SR uses two Cat-5 cables to provide the remote camera with power, control and return HD video. Integrators can now safely and easily install remote cameras into their projects.



Quick-Connect DVI/HDMI-SR

The Quick-Connect DVI/HDMI-SR Interface delivers simultaneous analog component video (YPbPr) and digital video (DVI-D or HDMI) outputs on separate connectors, ideal for multiple monitoring and large projection systems that require multiple format video outputs.



Quick-Connect USB Mini

Provides a whole new way to make any of the Vaddio SHOT family of cameras into a USB Camera. Based on USB 2.0 standards that use the driverless UVC (Universal Video Class) drivers, making it compatible with almost any OS or UCC software application. The Quick-Connect USB Mini is designed to be mounted under a table or podium and extended from the camera.



Quick-Connect USB

This robust Quick-Connect system is perfect for UCC applications, IP Streaming and recording, as well as Pro AV applications. It has simultaneous HDMI and HD analog component outputs and can stream either USB 2.0 (MJPEG) or IP (H.264) video. It uses the UVC drivers built into the OS and does not need any additional software drivers. Embedded web server provides for browser-based access to the camera's PTZ controls, presets and CCU functions.



Quick-Connect Comparison Chart

Quick-Connect Features	Universal CCU	Short-Range	DVI/HDMI	USB Mini	USB
Analog Output (YPbPr)	•	•	•		•
DVI-D Output	•		•		•
HDMI Output	•		•		•
HD-SDI Output	•				
RS-232	•	•	•	•	•
Daisy-Chainable			•		
USB 2.0 Streaming (MJPEG)				•	•
IP Streaming (H.264)					•
Built-in Web Server				•	•
Image Control	• (front panel control)				• (via Browser)
Power, Video & Control	Three Cat-5e	Two Cat-5e	Two Cat-5e	Two Cat-5e	Two Cat-5e
Cat-5e max. Cable Distance	500' (152.4m) for PTZ cameras only	PTZ up to 100' (30.5m) POV up to 150' (45.7m)	PTZ up to 100' (30.5m) POV up to 150' (45.7m)	PTZ up to 100' (30.5m) POV up to 150' (45.7m)	PTZ up to 100' (30.5m) POV up to 150' (45.7m)
Camera Types	Vaddio PTZ Cameras	Vaddio PTZ or POV Cameras	Vaddio PTZ or POV Cameras	Vaddio PTZ or POV Cameras	Vaddio PTZ or POV Cameras
Front Panel Display	•				•
Rack Size	1-RU (full)	1/3-Rack	1/2-Rack		1/2-Rack
Color-Coded Connectors	•	•	•	•	•

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