

# Cameras for AV Bridge™ MATRIX PRO

## Vaddio™ RoboSHOT™, ZoomSHOT™, ClearVIEW™ and PowerVIEW™ Cameras for the AV Bridge MATRIX PRO

The AV Bridge MATRIX PRO combines the functionality of the AV Bridge encoder with IP and USB 2.0 (UVC & UAC) streaming, a four input seamless HD video presentation switcher, three (3) Quick-Connect™ Interfaces for Vaddio cameras with EZCamera™ Cat-5/5e/6 connectivity, an 8 x 4 crosspoint audio matrix with integrated AEC, four (4) EasyMic™ Ports for Vaddio ceiling or table mics with built-in echo cancellation and a web server for configuration programming, control and remote management. The AV Bridge MATRIX PRO replaces a rack full of gear, and then some.

The MATRIX PRO was designed for integrators in order to reduce the complexity of AV system design and implementation, while delivering the features and capabilities most sought after by today's sophisticated end user.



It was also designed to seamlessly integrate with the Vaddio Cat-5 cameras using HSDS™ (high speed differential signaling). Currently, there are four Cat-5 cameras specifically packaged for the MATRIX PRO and another four that can be used stand-alone or with the MATRIX PRO. The cameras that are specifically packaged to take advantage of the MATRIX PRO's three built-in Quick-Connect Interfaces are identified in the following table:

CAMERAS FOR AV BRIDGE MATRIX PRO				
Image	Product	Part Number	Key Specifications	What's Included
	<b>RoboSHOT 12</b> HD PTZ Conferencing Camera for connection to AV Bridge MATRIX PRO with two Cat-5/5e/6 cables (power, HD video and control up to 100'/30.48m).  Packaged for use with MATRIX PRO	999-9900-500 Worldwide	<ul style="list-style-type: none"> <li>• 12X Optical Zoom Lens with 73° Wide Field of View</li> <li>• Native 1080p/60 Exmor 1/2.8-Type CMOS image sensor</li> <li>• Tri-Synchronous Motion</li> <li>• Built-in web server for configuration, control and remote management</li> <li>• Uses MATRIX PRO's integrated Quick-Connect Interfaces</li> </ul>	<ul style="list-style-type: none"> <li>• RoboSHOT 12 Camera</li> <li>• Thin Profile Wall Mount and hardware</li> <li>• IR Remote Commander</li> </ul> <p><b>NOTE:</b> No other peripherals are included.</p>
	<b>RoboSHOT 30 (Black)</b> High magnification, HD PTZ Camera for connection to AV Bridge MATRIX PRO with two Cat-5/5e/6 cables (power, HD video and control up to 100'/30.48m).  Packaged for use with MATRIX PRO	999-9910-500 Worldwide	<ul style="list-style-type: none"> <li>• 30X Optical Zoom Lens</li> <li>• Native 1080p/60 Exmor 1/2.8-Type CMOS image sensor</li> <li>• 65° wide end to 2.3° tele end Horizontal Field of View</li> <li>• Tri-Synchronous Motion</li> <li>• Built-in web server for configuration, control and remote management</li> <li>• Uses MATRIX PRO's integrated Quick-Connect Interfaces</li> </ul>	<ul style="list-style-type: none"> <li>• RoboSHOT 30 Camera</li> <li>• Thin Profile Wall Mount and hardware</li> <li>• IR Remote Commander</li> </ul> <p><b>NOTE:</b> No other peripherals are included.</p>
	<b>RoboSHOT 30 (White)</b> High magnification, HD PTZ Camera for connection to AV Bridge MATRIX PRO with two Cat-5/5e/6 cables (power, HD video and control up to 100'/30.48m).  Packaged for use with MATRIX PRO	999-9910-500W Worldwide	<ul style="list-style-type: none"> <li>• 30X Optical Zoom Lens</li> <li>• Native 1080p/60 Exmor 1/2.8-Type CMOS image sensor</li> <li>• 65° wide end to 2.3° tele end Horizontal Field of View</li> <li>• Tri-Synchronous Motion</li> <li>• Built-in web server for configuration, control and remote management</li> <li>• Uses MATRIX PRO's integrated Quick-Connect Interfaces</li> </ul>	<ul style="list-style-type: none"> <li>• RoboSHOT 30 Camera</li> <li>• Thin Profile Wall Mount and hardware</li> <li>• IR Remote Commander</li> </ul> <p><b>NOTE:</b> No other peripherals are included.</p>
	<b>ZoomSHOT 20*</b> HD POV camera for connection to AV Bridge MATRIX PRO with two Cat-5/5e/6 cables (power, HD video and control up to 100'/30.48m).  Packaged for use with MATRIX PRO	999-6920-000 North America  999-6920-001 International <span style="background-color: blue; color: white; padding: 2px;">NEW</span>	<ul style="list-style-type: none"> <li>• 20X Power Zoom Lens with 63° Wide Field of View</li> <li>• Native 1080p/60 Exmor 1/2.8-Type CMOS image sensor</li> <li>• Minimum Illumination: 0.3 Lux</li> <li>• Manual Pan/Tilt with EZ Set tensioning system</li> <li>• Uses MATRIX PRO's integrated Quick-Connect Interfaces</li> </ul>	<ul style="list-style-type: none"> <li>• ZoomSHOT 20 Camera</li> <li>• Thin Profile Wall Mount with mounting hardware</li> <li>• IR SHOT Commander Remote</li> </ul> <p><b>NOTE:</b> No other peripherals are included.</p>

\*ZoomSHOT 20 for the AV Bridge MATRIX PRO will be available starting May 1<sup>st</sup> 2015.

## OTHER COMPATIBLE VADDIO CAMERAS

Other stand-alone Vaddio cameras that can be used with the AV Bridge MATRIX PRO include:

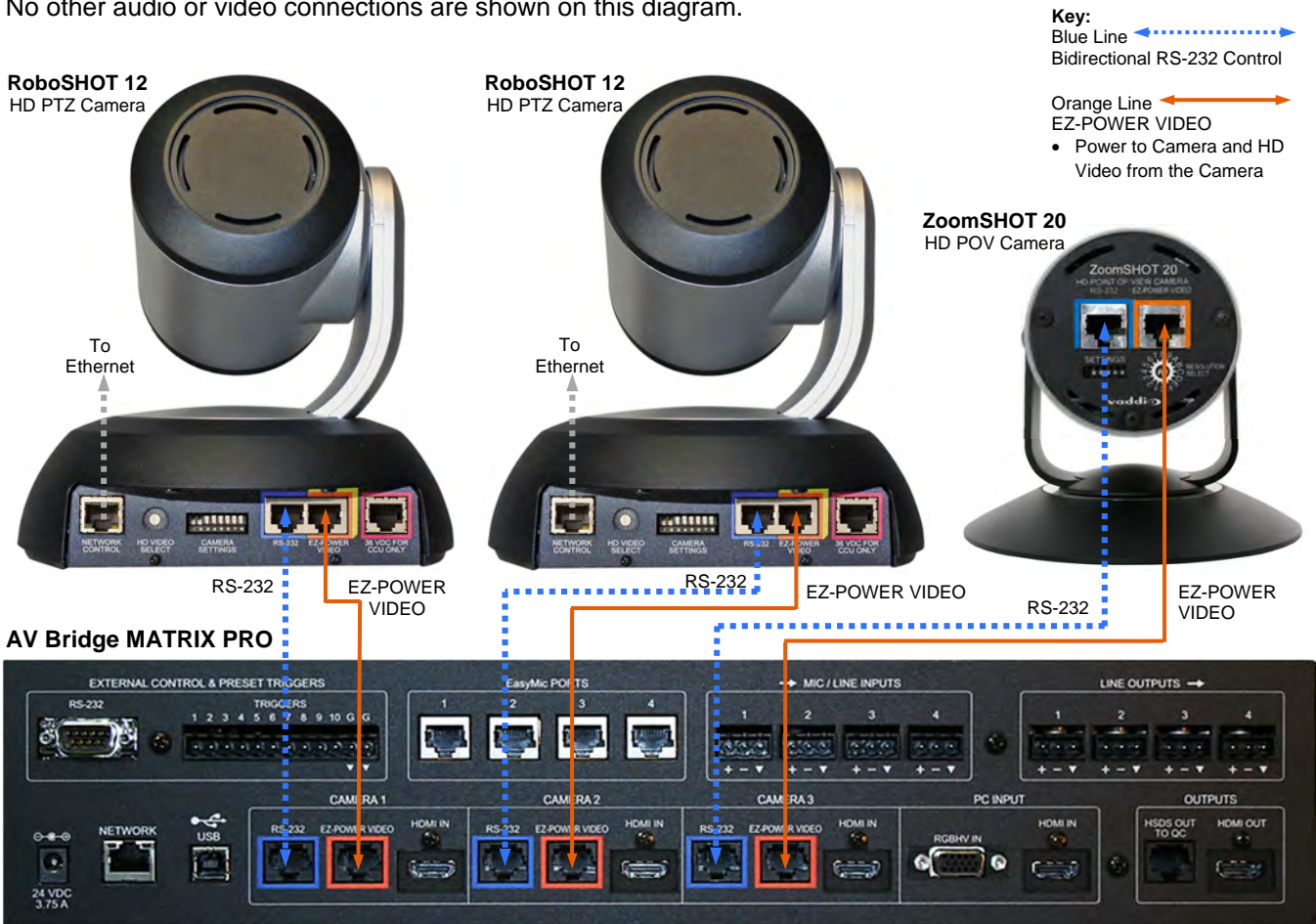
- **PowerVIEW HD-22 PTZ Camera**  
Part Number 999-6960-000 North America, 999-6960-001 Int'l
- **PowerVIEW HD-30 PTZ Camera**  
Part Number 999-6970-000 North America, 999-6970-001 Int'l
- **ClearVIEW HD-20se PTZ Camera (Black)**  
Part Number 999-6980-000 North America, 999-6980-001 Int'l
- **ClearVIEW HD-20se PTZ Camera (White)**  
Part Number 999-6980-000W North America, 999-6980-001W Int'l



The above listed cameras all have a two Cat-5 EZCamera interfaces for power, HD video and control and will automatically be recognized by the MATRIX PRO when connected. More cameras may be added at a later date.

## BASIC SYSTEM CONNECTIVITY

This diagram is intended to illustrate the connectivity of two RoboSHOT 12 PTZ Cat-5 cameras and one ZoomSHOT 20 POV Cat-5 camera with the MATRIX PRO. The Systems are color coded for easy integration. RS-232 RJ-45 Control jacks are color coded blue and the EZ-POWER VIDEO RJ-45 jacks are color coded orange. No other audio or video connections are shown on this diagram.



## CAMERA CONNECTIVITY AND FEATURES

When Vaddio cameras are connected to the MATRIX PRO, the cameras are individually sensed and the control protocols are auto-configured for the connected camera. Among the many features for the cameras provided by the MATRIX PRO, besides the integrated Quick-Connect Interfaces, are the 9-point camera positioning controls, PTZ camera presets and PTZ speeds, camera scenes, CCU controls for painting and shading and trigger inputs for camera positioning.

Learn more about our cameras, audio devices and controllers at 800-572-2011 or [vaddio.com](http://vaddio.com)

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