vaddio

RoboSHOT™ HDMI Cameras

Vaddio™ High Definition PTZ Cameras with Tri-Synchronous™ Motion Capability and HDMI Video Output.

The RoboSHOT HDMI PTZ cameras are professional quality cameras with very high quality imaging, fine detail and exceptional color reproduction. These cameras offer integrators, dealers and end users a substantial price/performance improvement over and above the value of other HDMI cameras available today.

The RoboSHOT 12 HDMI is perfect for small to medium sized conference rooms, training rooms or classrooms and provides incomparable support for applications including, UC conferencing, videoconferencing, distance learning, lecture capture, telepresence and more!

The optical zoom power of the RoboSHOT 30 HDMI is ideal for medium to large venues and provides exceptional support for applications including, House of Worship services, large auditorium A/V systems, live event theatres, IMAG for performances, large lecture theatres with lecture capture and more!

Images:
RoboSHOT 12 HDMI (right) and RoboSHOT 30 HDMI, Black and White Models (below)

The key features of the RoboSHOT cameras are Tri-Synchronous Motion, the silent, smooth direct drive pan/tilt motors, advanced Exmor® image sensor, multi-element glass lens and ISP (image signal processor) combination.

The Tri-Synchronous Motion algorithm in the RoboSHOT cameras is capable of moving all three (pan, tilt and zoom) axes simultaneously. 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 subject simultaneously, which finally allows for smooth and manageable on-air camera movements. Yep, there's no more pan/tilt, then zoom like other PTZ cameras available today.

The lens, image sensor and ISP are the real magic behind these camera's awesome video performance characteristics. The RoboSHOT 12 HDMI lens features a 12X optical zoom with a 73° wide horizontal field of view and the powerful RoboSHOT 30 HDMI features a 30X optical zoom with an impressive 2.3° tele end and 65° wide field of view. The latest generation Exmor® 1/2.8", 2.38 Megapixel, Full HD (native 1080p/60) high-speed, low noise CMOS image sensor combined with the new ISP produces vivid, realistic and accurate color with extremely fast, razor sharp automatic focus and iris routines.

The RoboSHOT HDMI cameras have an Ethernet port and a built-in web server, which allows the user to control the camera functions on a web page with any browser over the IP network. Telnet, IR Remote and RS-232 control for the camera are available to satisfy almost any, if not all, system control requirements.

The RoboSHOT cameras were designed for the times and represent a new era in specifying and integrating professional quality cameras into A/V and conferencing system configurations. In short, it has never been easier to integrate cameras into any project than with the RoboSHOT HDMI cameras

Image: Example of Built-in Camera Control Web Page

WHAT'S INCLUDED

Each RoboSHOT Camera is packed to be a complete system and includes the following items:

- One (1) RoboSHOT 12 or 30 HDMI PTZ Camera
- One (1) Vaddio IR Remote Commander
- One (1) 12 VDC, 3.0 Amp Switching Power Supply
- One (1) AC Cord Set
- One (1) Thin Profile Wall Mount & Mounting Hardware
- One (1) EZCamera™ Control Adapter
- One (1) Quick Start Guide

Note: Full Manuals are downloaded from vaddio.com

CAMERA PART NUMBERS

999-9940-000: RoboSHOT 12 HDMI, 12X HD Robotic PTZ Camera (North America)
999-9940-001: RoboSHOT 12 HDMI, 12X HD Robotic PTZ Camera (International)

999-9943-000: RoboSHOT 30 HDMI, 30X HD Robotic PTZ Camera, Black Version (North America)
999-9943-001: RoboSHOT 30 HDMI, 30X HD Robotic PTZ Camera, Black Version (International)
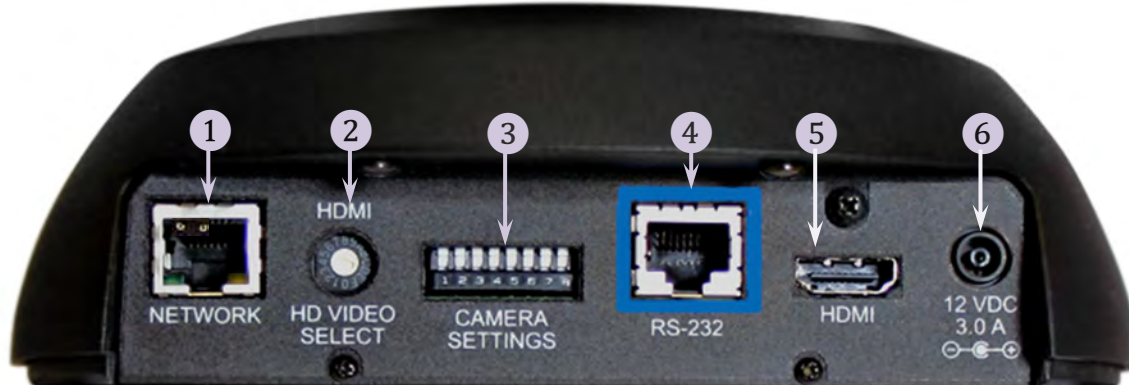
999-9943-000W: RoboSHOT 30 HDMI, 30X HD Robotic PTZ Camera, White Version (North America)
999-9943-001W: RoboSHOT 30 HDMI, 30X HD Robotic PTZ Camera, White Version (International)

IMAGE   Recessed Rear Panel Connections

Rear Panel Connections (left to right):
❶ Network Control Ethernet 10/100 port on shielded RJ-45 for access to the built-in web pages, Telnet control or system updates/upgrades.
❷ HDMI HD Video Select rotary switch for setting the cameras HD output resolution.
❸ Camera Settings DIP switches for camera functions including 3-IR frequencies, IR on/off, Image Flip (invertible) Color Space, etc...
❹ RS-232 Port on shielded RJ-45 connector (color coded blue).
❺ HDMI output jack (the output Color Space is defaulted to YCbCr for HDMI, but can be switched to sRGB for DVI-D only video devices)
❻ 12 VDC, 3.0 Amp power connector on an EIAJ-04 jack with positive center.

GENERAL SPECIFICATIONS

Camera	RoboSHOT 12 HDMI	RoboSHOT 30 HDMI
Optical Zoom	12X Optical Zoom, (Super-Wide Mode) 10X Optical Zoom (Normal Mode)	30X Optical Zoom
Horizontal Angle of View	12X Mode: 73.0° wide end to 6.6° tele end 10X Mode: 67.3° wide end to 7.6° tele end	65° wide end to 2.3° tele end
Lens Focal Length	12X Mode: f=3.91mm to 47.0mm, F1.8 to F3.4 10X Mode: f=3.8mm to 38.0mm, F1.8 to F3.4	f=4.3mm to 129mm, F1.6 to F4.7
Minimum Illumination	1.0 Lux (F1.8, 50IRE) Recommended illumination >100 Lux	1.4 Lux (F1.6, 50IRE) Recommended illumination >100 Lux
Min. Working Distance	10mm (wide), 800mm (tele)	10mm (wide), 1.2m (tele)
Image Sensor	Exmor 1/2.8", 2.38 Megapixels, Full HD (1080p/60 native) High-speed, Low Noise CMOS Image Sensor	
Effective Pixels	2.14 Megapixels	
Supported Resolutions	HD Resolutions: 1080p/60/59.94/50/30/25, 1080i/60/59.94/50, 720p/60/59.94/50, 16:9 Format	
Vaddio Special Features	Tri-Synchronous Motion: Concurrent PTZ motor movement and simultaneous PTZ arrival at a stored preset. Advanced ISP: Vivid and accurate color with extremely fast, razor sharp automatic focus and iris routines.	
S/N Ratio	> 50 dB	
Pan & Tilt Angle/Speed	Pan/Tilt Angles: ±160°, Tilt: +90° to -30° Pan/Tilt Speeds: Both Axes 0.35°/sec to 120°/sec	
Sync System	Internal	
Control Methods	Ethernet for Internal Web Pages and Telnet, IR Remote Commander and RS-232 for external controllers.	
Operating Temperature	0°C to +40°C (32°F to 104°F), 20% to 80% Humidity	
Dimensions/Weight	6.942" (176.3mm) H x 7.056" (179.2 mm) W x 6.757" (171.6mm) D 4.85 lbs.(2.199 kg) (About 1940 average sized pistachios)	

Learn more about our cameras, audio devices and controllers at 800-572-2011 or vaddio.com

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