

# PowerVIEW™ HD-22 PTZ & HD-30 PTZ

## High Definition Integrated Robotic PTZ Cameras

### Overview:

The impressive Vaddio™ PowerVIEW HD-22 and HD-30 high definition PTZ cameras are available with 22X and 30X power zoom optics. This new camera the 3<sup>rd</sup> generation Maicovicon 1MOS, 1/2.8-Type, progressive scan image sensors, which allow for better light sensitivity, increased noise reduction and lower power consumption than either CCD or CMOS image sensors. This advanced MOS image sensor provides for delicate gradation, realistic textures and vivid colors that are comparable to 3-chip camera performance.

Both the HD-22 and the HD-30 provide matchless low-light capabilities with a minimum illumination rating of an amazing 0.4 lux (color) and 0.3 lux (B/W). With a 2.2 Megapixel MOS sensor, the cameras deliver native 1080p/60 FullHD video resolution and superior color reproduction for use in any professional A/V presentation, videoconferencing, House of Worship, education, live event, industrial and even medical applications.



Image: PowerVIEW HD-22 or HD-30 PTZ Camera

The HD-22 has a powerful 22X multi-element glass zoom lens (f=4.3mm to 94.6mm) and works exceptionally in large rooms. However, the premium optics also provides a super-wide horizontal field of view of 65.2°, which works very well in small room video applications. The HD-30, as the name would suggest, has a robust 30X optical power zoom lens that enables the capture of brilliant and detailed video images even in the largest rooms.

The cameras output multi-format HD video in both analog component (YPbPr), HDMI and differential formats in HD resolutions of 1080p/59.94, 1080p/50 1080p/29.97 1080p/25, 1080i/59.94, 1080i/50, 720p/59.94, 720p/50 and SD resolutions of 480p/59.97 and 576p/50.

The PowerVIEW cameras will be offered with the Quick-Connect™ systems using HSDS™ for use with Cat-5 cable to distribute video, power and control. The Quick-Connects packages will include the Quick-Connect Universal CCU, Quick-Connect SR, Quick-Connect DVI/HDMI SR and the new Quick-Connect USB due out summer 2013. The HD-22 and the HD-30 camera packages are an exceptional value and are remarkable for the most demanding HD video applications.

## SPECIFICATIONS

| Camera                    | PowerVIEW HD-22 PTZ   | PowerVIEW HD-30 PTZ                                       |
|---------------------------|---|---|
| Part Numbers              | 999-6960-000 (North America), 999-6960-001 (Int'l)  | 999-6970-000 (North America), 999-6970-001 (Int'l)        |
| Zoom                      | 22X Optical Zoom  | 30X Optical Zoom  |
| Field of View             | Horizontal: 65.2° Wide End to 3.1° Tele (16:9 Aspect Ratio)   | Horizontal: 65° Wide End to 2.2° Tele (16:9 Aspect Ratio) |
| Lens Focal Length         | f=4.3 mm to 94.6 mm / F1.6 - F4.7   | f=4.3mm to 129.0 mm / F1.6- F4.7                          |
| Image Sensor              | 1/2.8-Type MOS, 2.2 Megapixel, Progressive Scan   |   |
| Minimum Illumination      | Color: 0.4 lux (F1.6, 1/30 sec, 50 IRE, Gain: High), B/W: 0.04 lux (F1.6, 1/30 sec, 50 IRE, Gain: High)           |   |
| Video Resolutions         | HD: 1080p/59.94, 1080p/50, 1080p/29.97/25, 1080i/59.94, 1080i/50, 720p/59.94, 720p/50, SD: 480p/59.97 and 576p/50 |   |
| Video Output Formats      | HDMI, Analog Component, HSDS (Differential Power, Video & Control)  |   |
| Signal to Noise Ratio     | More than 50 dB (AGC: Off)  |   |
| Compatible Quick-Connects | Quick-Connect SR, Quick-Connect DVI/HDMI SR, Quick-Connect Universal CCU and Quick-Connect USB (varying voltages) |   |
| Pan Range                 | Pan: +170 degrees to -170 degrees, Tilt: +90 degrees to -30 degrees   |   |
| Preset Positions          | 16 (internal), 6 recalled via IR Remote   |   |
| Image Control             | Red & Blue Gain, Detail, Chroma, Gamma, Pedestal, Iris, and Gain (available through RS-232 control and CCU)       |   |
| Tally Light               | Available through RS-232 Control  |   |
| HD Video Select           | 16-Position Rotary Switch: Used to set HD Video Resolution Output   |   |
| Camera Settings           | 10-Position Dip Switch: Settings for IR Select, Baud Rate 9600, Image Flip, Unpublished Functions                 |   |
| Accessory Slot Cards      | EZIM CCU Slot Card PN# 999-6900-006 - For Use with Quick-Connect Universal CCU Only                               |   |
| Dimensions/Weight         | 7.81" (198.37mm) H x 6.67" (169.42mm) W x 7.057" (179.25. mm) D / 5.6 lbs. (2.63083595643 kg.)                    |   |

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

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