

# Hawkeye

Integrated camera system

# HD



Lamar Systems introduces the new Hawkeye | HD outdoor Pan/Tilt/Zoom video camera. With an advanced sensor capable of over 2,000,000 effective pixels the camera inside Hawkeye | HD provides a high resolution, high sensitivity, image. The Hawkeye | HD is an all-in-one compact robotic color video camera system, which achieves high accuracy (greater than 0.1degree on presets) and wide-range Pan/Tilt/Zoom performance without complicated cable connections and bulky installation. The all-in-one unit's small footprint makes it less susceptible to wind shaking. Weighing in at 28 lbs. the Hawkeye | HD is also easy for any tower crew to install.

The Hawkeye | HD can be precisely controlled via the camera's control interface (RS422 2-wire) using the supplied Keyboard control unit featuring a backlit LCD display to monitor your camera. And the variable speed pan and tilt system gives your operators the tools they need to create the shots you want. The Hawkeye | HD can also be programmed with up to 128 presets.

The Hawkeye | HD gives you 14 formats to choose from (including eight HD types and six SD video formats). SD options include 16:9 squeeze mode, which activates all active pixels in the sensor giving you a wider angle of view than standard 4:3. This new dynamic camera allows you to decide when you are ready to migrate from SD to HD.

The Hawkeye | HD covers a wide shooting range with its highly accurate Pan/Tilt mechanism. It has an infinite pan range of 360 degrees and a tilt range of 115 degrees. Both pan and tilt speeds are variable within the range of 0.1 to 100 degrees per second. Preset Speeds are set at 150 degrees per second, ensuring immediate preset positioning.

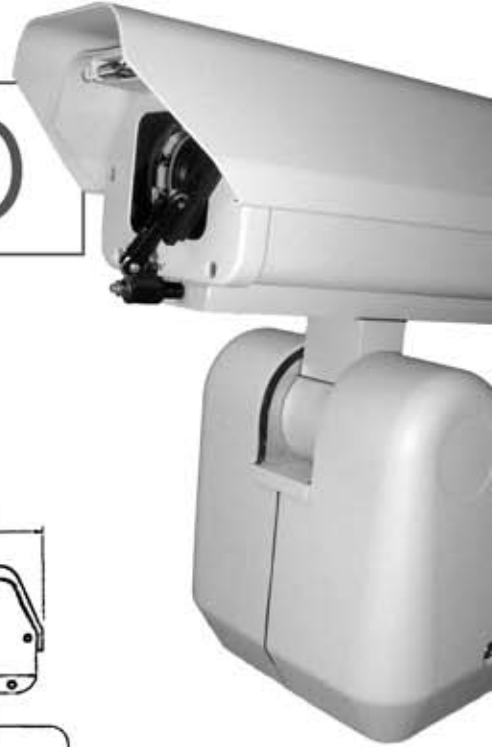
## It's your best shot.®

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## Specs

### Structural

Integrated Pan/Tilt	Aluminum Alloy
Bear Weight Mode	Top Bear
Standard Bear Weight	11 lbs.
Installation	Wall mount, Pedestal mount
Working Temperature	-40°C ~50°C

### Rotation

Pan rotation	360° Continuous
Tilt rotation	+35° ~ -80°
Manual Control speed	
Pan	0.1° ~ 100°/Second
Tilt	0.1° ~ 80°/Second

### Preset speed

Pan	150°/Second
Tilt	80°/Second

### Electrical

Input voltage	AC110V standard (AC24V option)
Input Power	30VA during normal operation

### Imaging Device

Effective picture elements	2,000,000 pixels
Signal	HD: 1080i/59.94, 1080i/50 720p/59.94, 720p/50 SD: NTSC(4:3), NTSC(16:9) PAL(4:3), PAL(16:9)
Lens	10x zoom (F1.8 to F2.1) f=5.1mm(WIDE) to 51mm(TELE)
Zoom movement speed	Optical WIDE/Optical TELE ~ 0.1 sec.
Focus movement speed	infinity to near ~ 0.1 Sec.
Angle of View (H)	50° (WIDE end) to 5.4° (TELE end)
Minimum object distance	10mm (WIDE end), 800mm (TELE end)
S/N ratio	50 dB or more
Electronic shutter speed	½ to 1/100000 Sec. (21 steps)
Gain	Auto/Manual (-3 to +18 dB, 8 steps)
Exposure compensation	± 10.5 dB (15 steps in a unit of 1.5 dB)

