



Pan Tilt Dome Digital Camera

The SecurityHawk Pan Tilt Dome Camera (PTDC) is designed to provide greater functionality to the SecurityHawk range of devices. Not only can you monitor assets and infrastructure remotely, combining the PTDC Camera with the SecurityHawk allows you to actually see any problems, from anywhere in the world.

The PTDC is designed around a high resolution CCD camera from Sony. The pictures are truly stunning even in low light conditions.

The camera features AWB (Auto White Balance), and has a horizontal resolution of 640 pixels per line, with 625 lines (interlaced). The sensor is a 1/3" interline CCD. It has excellent low light sensitivity of 0.5 lux at f1.2.

Live full-color streaming video is available at up to 30 fps (320 x 240 resolution) via the web interface, and up to 50 streams of video can be accessed simultaneously.

Standard JPG format pictures are used, allowing the use of third party host tools to store and analyze the JPG pictures. All pictures are in the Standard JPG format and the Standard CIF picture size is 352 x 288 pixels or VGA (640 x 480). The pictures can be easily downloaded from the SecurityHawk into a local host.

Technical Specifications

Camera Control

Remote pan and tilt (remote 330deg pan, 80deg tilt)
Control of camera motor via web-interface (administrator only)
Camera control port PT1-4, Pelco D RS485, 2 pins Terminal box.
Precision, custom designed stepper motor

Image Sensor

High quality Sony CCD
Light sensitivity of .5 lux at f1.2
1/3" interline CCD
Auto White Balance
640 pixels per line, with 625 per frame (interlaced)
Electronic Iris : 1/50 - 1/100,000 (PAL); 1/60 - 1/100,000 (NTSC)
Picture Elements : 640 (H) x 480 (V)
S/N ratio : 45dB or more (AGC off)

Connections

Video : BNC Male video composite out 1 Vp-p 75 ohm
Power : 2.5mm Male plug

Optics

Lens type : fixed
Focal length : 3.6mm
Viewing angle : 92 deg

Physical and Environmental

Dimensions (W x H) : 10.7 x 11.5 cm
Weight : 0.8 kg
Power : 9VDC, external
Power consumption : 2.16 W
Operating temp. range : 0 - 40 °C
Operating humidity range : 10 - 80 % RH, non-condensing