

Smart Hawk

SHB210 / SHB210P / SHB100 / SHB100P



- High performance CMOS
- Linux OS embedded
- TI DaVinci hardware compression
- H.264 / MPEG4 dual stream video compression (4CIF / DCIF / 2CIF / CIF / QCIF real time compression)
- Support variable bit rate and frame rate
- SDHC card for local storage

Overview

Box cameras offered are of four types with some minor difference in each related to its features. The cameras are a kind of embedded digital surveillance products that combine both the features of traditional analog camera and net DVS (Digital Video Server). Due to the embedded Linux operation system and the latest TI DaVinci hardware compression, the system operates with high scheduling efficiency. Furthermore, the firmware is embedded in a small area, which makes the product small, reliable and highly stable.

The cameras bear high performance Sony CCD Lens along with support for 6 infrared LEDs. This helps the camera to be operated automatically in dark environment. The video resolution is moderate enough for indoor uses, and the various formats of VGA, CIF and QCIF are useful enough. The video compression format is one of the widely used compression formats MJPEG and can serve at a frame rate of about 30 fps in normal bandwidth conditions. In the event of variable bit rate and frame rate, the image quality is maintained to standard proportions.

Technical specifications:

Camera	Image Sensor	¼" CMOS
	Effective Pixels	640 (H) × 480 (V)
	Min. Illumination	0.4Lux @ F1.2
	Day & Night	Electronic
	Lens	C/CS mount
Compression Standard	Video Compression	H.264 or MPEG-4
	Video Bit Rate	32 K ~ 2M, adjustable (8Mbps maximum)
	Audio Compression	OggVorbis
Image	Image Resolution	704 × 576, 640 × 480, 528 × 384, 704 × 288, 352 × 288, 176 × 144
	Frame Rate	25fps (704 × 576)
Functions	Motion Detection	Available
	Dual Stream	Available
	SD Card Local Recording	Available
	Password Protection	Available
	Protocols	TCP/IP,HTTP,DHCP,DNS,RTP/RTCP, PPPoE (FTP, SMTP, NTP, SNMP addible)
Interface	Audio Input	1 channel 3.5mm audio interface (2.0 ~ 2.4Vp-p, 1kΩ)
	Audio Output	1 channel 3.5mm audio interface (Line level, 600Ω)
	Communication	1 RJ45 10M / 100M self-adaptive Ethernet port and 1 RS-485 interface
	Alarm Input	1 channel signal input
	Alarm Output	1 channel signal relay output
General	Power Supply	PoE (Power over Ethernet)
	Power Consumption	3W
	Working Temperature	-10°C ~ 60°C
	Dimensions	(63 × 59 × 116) mm (2.5" × 2.34" × 4.51")
	Weight	650g (1.21lbs)

Contact: