



- HDTV Quality
- Progressive scan CMOS sensor
- H.264 and MJPEG
- HD 1280x720 - 25fps
- Simultaneous H.264 and MJPEG streams with controllable frame rate and bitrate
- 2 Way audio
- Embedded HD video analytics

Overview

Smart Guard presents you with the new ultra-smart Smart Hawk box camera which is effective, reliable, and most importantly, cost-efficient. The camera boasts of HDTV Quality video which enables cameras to provide fantastic quality and higher resolution images compared to analog CCTV cameras. The camera delivers crisp and clear images using a 1/3.2" progressive scan CMOS image sensors and advanced signal processing techniques. MPEG-4/MJPEG is supported too which brings superior image quality at the rate of 30 frames per second (fps) in full D1 resolution. The video resolution stands at HD 1280x720 and 640x480 at the rate of 25 fps thus offering superior video quality in its class.

Additionally, the camera boasts of a superior low-light performance. The video streaming is such that there are simultaneous streams of H.264 and Motion JPEG with controllable frame rate and bit rate. The H.264 compression enables optimization for bandwidth and storage efficiency by significantly reducing the bit rate. This IP device supports automatic/manual streaming frame rate control, especially for multiple clients' concurrent access the same video stream in different network bandwidth. By tuning the object size and sensitivity, it is very reliable to fit into your environment with it as it features camera tempering identification, motion detection, intelligent object tracking. The bi-directional audio allows users to listen and talk remotely.

Airports, city surveillance, passport controls etc are some places where this camera model can serve as a perfect solution to achieve image usability.

Specifications

Image Sensor		1/3.2" CMOS Progressice Scan
Lens		2.8mm to 12.0mm varifocal, F1.8
		Horizontal Angle of View - 75°
		CS-Mount
		Auto-Iris
		Lens assembly mounted seperately on sensor board
Minimum Illumination		0.5 Lux
Video	Video Input	CMOS Sensor
		Interface - 8 / 16 bit sensor interface on CPU board
	Video Compression	H.264, MJPEG
	Resolutions	H.264: HD 1280x720 - 25fps, 640x480@25fps and 320x240@50fps
		MJPEG: 720X480 - 30 FPS
	Supported Frame Rate	1-120fps
	Supported Bit Rate	64kbps – 20Mbps
Video Streaming	Simultaneous H.264 and MJPEG Controllable frame rate and bandwidth VBR/CBR	
Audio	Audio Streaming	Two Way
	Audio Compression	G.711, AAC
	Audio Input	Mono Microphone
		Interface - On board Microphone on Sensor board
	Audio Output	Mono Speaker (Minimum 8kHz to 48 KHz sampling)
Interface - Audio-Video Jack on CPU board (TV); 2 Pin header (External Speaker)		
GPIO	Alarm in	1
	Alarm out	3
Serial and PTZ		Rs232 and Rs485
Network		10/100Mbps
		Interface - RJ 45
Intelligent Video		Embedded HD Analytics with camera tempering identification, motion detection, intelligent object tracking
Protocols	Streaming Protocols	RTP, RTSP
	Ethernet Protocols	HTTP, DHCP, SMTP , TCP/IP, UDP, TFTP, FTP, NTP, uPnP
Local Storage		SD card (Upto 4 GB) and USB 2.0
System	Processor	Maxim MG2580 (ARM926-EJ - 240MHz)
	Memory	Program Memory: 512 MB NAND flash
		System Memory: 128 MB DDR2
Operating System	Linux 2.6.20	
Power		+12VDC ±10%, 210mA
		Power over Ethernet (Optional)
Dimensions	CPU Board (l x w x h)	3.937" (100 mm) x 1.732" (44 mm) x 0.054" (1.4 mm)
	SEN Board (l x w x h)	1.732" (44 mm) x 1.732" (44 mm) x 0.062" (1.6 mm)
	IO Board (l x w x h)	2.165" (55 mm) x 1.732" (44 mm) x 0.062" (1.6 mm)
Operating Conditions	Operating Temperature	0°C to 50°C
	Storage Temperature	-25°C to 85°C
	Humidity	to 95% (non-condensing)

Contact: