



HK-RA204P Bundle Pack H.264 Digital Video Recorder

Overview

The HK-RA204P Digital Video Recorder combined with the DS-2CC102N-IR1 analog indoor/outdoor water resistant IR bullet camera provides the latest in advanced H.264 video encoding and decoding technologies delivering high performance, rock-solid reliability and longer recording times. The indoor/outdoor IR bullet cameras' advanced engineering design with 30ft IR illumination uses a 1/3" Sony Super HAD CCD assuring quality video and high reliability. Perfect for home or small business applications.

Standard Features

DVR

- ▶ H.264 video compression
- ▶ 4 channel analog video input
- ▶ Pre-installed 250GB hard drive
- ▶ VGA monitor or video connection
- ▶ Audio input & output
- ▶ Alarm input & output
- ▶ USB for easy backup
- ▶ Watermarked video
- ▶ User friendly GUI
- ▶ Supports DDNS
- ▶ Internet ready for remote viewing through IE browser and cell phone access
- ▶ Pentaplex operations enables simultaneous recording, live view, playback, back-up and network operations

Camera

- ▶ 1/3" SONY Super HAD CCD
- ▶ Minimum Illumination: 0.1Lux@F1.2 (0 Lux with IR)
- ▶ Auto white balance, auto gain control, electronic shutter control and backlight compensation
- ▶ Internal synchronization
- ▶ Digital signal processing
- ▶ Water and dust resistance: IP66

REAR I/O PANEL DIAGRAM



DVR Specifications

Video & Audio Input

Video Compression	H.264
Video Input	4Ch, BNC (1.0 Vp-p, 75Ω)
Audio Compression	OggVorbis 16Kbps
Audio Input	1Ch, RCA (2.0 Vp-p, 1kΩ)
Voice Talk Input	Same as audio input and audio output

Video & Audio Output

Real Time Display	704x480
VGA Output	1024x768 (60 Hz)
Recording Resolution	CIF/QCIF
Video Output	BNC (1.0 Vp-p, 75 Ω)
Recording	120fps
Playback	4 Channel
Video Bitrate	32 kbps-2Mbps (adjustable)
Audio Output	1 RCA (Linear Electric Level, 600 Ω)
Audio Bitrate	16 kbps

External Interface

Network Interface	1x RJ45 10M/100M Ethernet
HDD Interface	1 SATA interface, supports HDD (1000GB maximum)
USB Interface	1x USB 2.0
Alarm Input	4 (terminal block)
Alarm Output	1 (terminal block)

Dimensions & Electrical

Power Supply	DC 12V / 3.3A
Consumption	<10W (w/o HDD)
Temperature	14° - 131° F
Humidity	10% - 90%
Size	12.5" (L) x 9" (W) x 1.75" (H)

Camera Specifications

Camera

Image Sensor	1/3" SONY Super HAD CCD
Synchronization	Internal Synchronization
Horizontal Resolution	420TVL
Min. Illumination	0.1Lux/F1.2 (0 LUX with IR)
Electronic Shutter	1/50 (1/60)s - 1/100,000s
Day&Night	Color (Day) / BW (Night)
Controls	AGC, BLC
Weather Resistant	IP66
Iris	AES
Lens	(2) 3.6mm and (2) 6mm (Fixed Lens)
IR LED(s)	12 LEDs, Up to 30ft. Range
Lens Mount	Swivel Mount
Video Output	1Vp-p Composite (75Ω / BNC)
S/N Ratio	> 48dB

Others

Operating Temperature	-10°C ~ 60°C, 14°F ~ 140°F
Power Supply	DC 12V
Power Consumption	3W
Weight	0.5lbs / 250g

Dimensions

