HIKVISION

DS-2CD812P(N)-IR1(IR3) IP Camera

Technical Manual

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Find out more about HIKVISION at www.hikvision.com

Contents

1. Key Features

- High Performance Sony CCD
- Linux OS Embedded
- TI DaVinci Hardware Compression
- H.264 / MPEG-4 Video Compression
- 1 Channel Audio Compression
- Support 4CIF / DCIF / 2CIF / CIF / QCIF Real Time Compression
- Support Dual Stream Compression
- Support Motion Detection, and Notification on PC Client
- Support both Variable Bit Rate and Variable Frame Rate
- Support TCP / IP, HTTP, DHCP, DNS, RTP / RTCP, PPPoE, etc.
- Support IE for Network Preview
- Support HIKVISION Watermark
- Support Sensor Alarm Input and Relay Output
- Support Network Intercom Function
- Compatible with Current HIKVISION DVR / DVS SDK and Client Software
- Min. Illumination: 0.1Lux @ F1.2 (0 Lux with IR)

2. Specifications

Parameter Model	DS-2CD812P (N)-IR1 (IR3)
Camera	
Image Sensor	1/3 inch SONY Super HAD CCD
Effective Pixels	PAL:752 (H) × 582 (V)
	NTSC:768 (H) × 494 (V)
Lens Mount	M12×0.5
Signal System	PAL / NTSC
Electronic Shutter	1/50 (1/60)S ~ 1/50~1/100,000S
Min. Illumination	0.1Lux @ F1.2 (0 Lux With IR)
Lens	"-IR1" series: 6mm (2.8mm, 3.6mm option)
	"-IR3" series: 12mm (3.6mm, 6mm, 8mm,16mm option)
S/N Ratio	More than 48dB
Video Output	480TVL, 1Vpp Composite Output (75Ω/BNC)
Compression Standard	
Video Compression	H.264 / MPEG-4
Video Output	32 K ~ 2M, adjustable (8Mbps maximum)
Audio Compression	OggVorbis
Image	
Image Resolution	PAL: 704 × 576, 528 × 384, 704 × 288, 352 × 288, 176 × 144
	NTSC: 704 × 480, 528 × 320, 704 × 240, 352 × 240, 176 × 120
Frame Rate	25 fps (704 × 576), 30fps (704 × 480)
Function	
Motion Detect	Support
Dual Stream	Support
Heartbeat	Support
Password Protect	Support
Protocols	TCP / IP,HTTP,DHCP,DNS,RTP / RTCP, PPPoE (FTP,SMTP,NTP,SNMP addible)
Infrared Distance	"-IR1" series IR Illuminators up to 10 meters;
	"-IR3" series IR Illuminators up to 30 meters
Interface	
Audio Input	1 channel (2.0 ~ 2.4Vp-p, 1kΩ)
Audio Output	1 channel (Line level, 600Ω)
Communication	1 RJ45 10M / 100M self-adapted Ethernet port and one RS-485 interface
Alarm Input	1 channel signal input

Alarm Output	1 channel relay output
Others	
Working Temperature	-10℃ ~ 60℃
Water and Dust Resistance	IP66
Power Supply	12VDC, ±10%
Power Consumption	"-IR1" series: 5.5W MAX "-IR3" series: 7W MAX
Dimensions(mm)	86.5 × 83.2 × 228
Weight	1400g

3. Dimension

86.5

83.2

75.6

228

203