



**DS-2CD812PF(NF)(-E)(-W) IP Camera  
Technical Manual**

## Notices

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## 1. Key Features

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- High Performance Sony CCD
- CS Mount Lens (Provide Optional Adapter for C Mount Lens)
- Auto Iris with DC / Video Driver
- 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 SDHC Card for Local Recording
- Support Dual Stream Compression
- Support Motion Detection with 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 Client for Network Preview
- Support HIKVISION Watermark
- Support PTZ Control
- Support Sensor Alarm Input and Relay Output
- Support Network Intercom Function
- Compatible with Current HIKVISION DVR/DVS /SDK and Client Software

## 2. Specifications

Parameter Model	DS-2CD812PF (NF) (-E) (-W)
<b>Camera</b>	
Image Sensor	1/3 inch SONY Super HAD CCD
Effective Pixels	PAL: 752 (H) × 582 (V) NTSC: 768 (H) × 494 (V)
Lens Mount	C / CS mount
Signal System	PAL / NTSC
Electronic shutter	1/50 (1/60)s ~ 1/100,000s
Min. Illumination	0.1Lux @ F1.2
Day & Night	Electronic
Auto Iris Lens	DC / Video
Lens	Option
S/N Ratio	More than 48dB
Video Output	480TVL, 1Vpp Composite Output (75Ω / BNC)
<b>Compression Standard</b>	
Video Compression	H.264 / MPEG-4
Video Output	32 K ~ 2M, adjustable (8Mbps maximum)
Audio Compression	OggVorbis
<b>Image</b>	
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)
<b>Function</b>	
Motion Detect	Support
Dual Stream	Support
SD Card Local Recording	Support
Heartbeat	Support
Password Protect	Support
Protocols	TCP / IP, HTTP, DHCP, DNS, RTP / RTCP, PPPoE (FTP, SMTP, NTP, SNMP addible) ; (-W) series support IEEE802.11g Wireless WLAN Criterion, 2.4GHz Frequency.
<b>Interface</b>	
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 one RS-485 interface
Alarm Input	1 channel signal input
Alarm Output	1 channel relay output
<b>Others</b>	
Working Temperature	-10°C ~ 60°C
Power Supply	12VDC, ±10%, (-E) series support PoE (Power over Ethernet)
Power Consumption	4W MAX
Dimensions (mm)	63 × 59 × 114
Weight	650g

## 3. Dimension

