



**DS-2CD712PF(NF)(-E) IP Camera  
Technical Manual**

## Notices

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## 1. Key Features

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- High Performance Sony CCD
- Embedded Linux OS
- 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 Compression Stream
- 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

## 2. Specifications

Parameter Model	DS-2CD712PF (NF) (-E)
<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	3.5 ~ 9mm @ F1.2 / Φ14 / Fixed Iris lens
Signal System	PAL / NTSC
Electronic Shutter	1/50 (1/60)s to 1/100,000s
Min. Illumination	0.1Lux @ F1.2
Day&Night	Electronic
S/N Ratio	More than 48dB
Video Output	480 TVL, 1Vp-p 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	25fps (704 × 576), 30fps (704 × 480)
<b>Functions</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)
Adjustment Range	355° Pan 90° Tilt
<b>Interface</b>	
Audio Input	1channel (2.0 ~ 2.4Vp-p, 1kΩ)
Audio Output	1 channel (Line level, 600Ω)
Communication	1 RJ45 10M / 100M self-adapted Ethernet port and 1 RS-485 interface

Alarm Input	1 channel signal input
Alarm Output	1 channel relay output
Others	
Working Temperature	-10°C ~ 60°C
Power Supply	12VDC, ±10%, (-E) series support PoE (Power over Ethernet)
Power Consumption	4W MAX
Dimensions (mm)	φ145 × 132.8
Weight	900g

## 3. Dimension

