



**DS-2CD728PF-PT(W) IP Camera**  
**Cost-effective Network Camera**  
**Technical Manual**

## Notices

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## 1. Key Features

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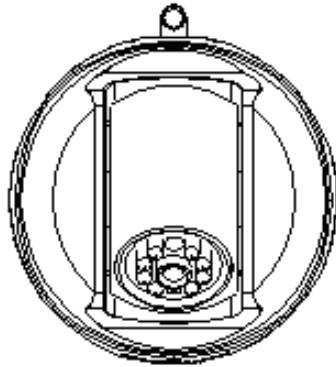
- 200 Presets
- 20°/s Pan and Tilt Preset Speed
- 0.3-20°/s Pan and Tilt Manual Speed
- Embedded Linux OS
- H.264 video compression
- 1 channel Audio Compression
- Support 4CIF / DCIF / 2CIF / CIF / QCIF Real Time Compression
- Support SD Card for Local Recording
- Support Dual Stream Compression
- Support 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 Voice Talk Function
- Compatible with Current HIKVISION DVR/DVS SDK and Client Software

## 2. Specifications

Parameter Model	DS-2CD728PF-PT
Camera	
Image Sensor	1/3 inch SONY Super HAD CCD
Effective Pixels	752 (H) × 582 (V)
Lens mount	M12×0.5
Lens	3.6mm
Min. Illumination	0.1Lux @ F1.2 (0 Lux with IR)
Infrared Function	Support
Video Output	Test Monitor OUT 1Vp-p Composite Output (75Ω/BNC)
Compression standard	
Video Compression	H.264
Video Output	32 K ~ 2M, adjustable (8Mbps maximum)
Audio Compression	OggVorbis
Image	
Image Resolution	704 × 576, 640 × 480, 528 × 384, 704 × 288, 352 × 288, 176 × 144
Frame Rate	25fps (704 × 576)
Function	
Pan and Tilt Range	Pan: 0-170°; Tilt: 0-90°
Horizontal Speed	0.3 ~ 20°/s(adjustable)
Vertical Speed	0.3 ~ 20°/s(adjustable)
Pan and Tilt Preset Speed	20°/s
RS-485 Protocols	HIKVISION, PELCO-P/D (addible)
Scan Mode	Cameras controlled by the client software or remote control can scan ≤170°range
Number of Preset	200
Privacy Protection	Prevent Previewing through Network, just Preview on the Monitor.
Menu Language	Chinese and English, 10 characters
Mouse Control	Support Mouse Drag while select HIKVISION protocol in Client Software
Motion Detect	Support
Dual Stream	Support
SD Card Local Recording	Support
Heartbeat	Support
Password Protection	Support
Protocols	TCP / IP, HTTP, DHCP, DNS, RTP / RTCP, PPPoE (FTP, SMTP, NTP, SNMP addible)
Interface	

Voice Input	2channels ,1 channel 3.5mm audio interface (2.0 ~ 2.4Vp-p,1kΩ) and MIC internal channel.
Voice Output	1 channel 3.5mm audio interface (Line level, 600Ω)
Communication	1 RJ45 10M / 100M self-adaptive Ethernet port , 1 RS-485 interface (802.11g WLAN option, IR Remoter option)
Alarm Input	2 channels signal input
Alarm Output	1 channel relay output
Others	
Working Temperature	-10℃ ~ 60℃
Power Supply	12V DC, ±10%
Power Consumption	9W MAX
Dimension(mm)	φ125 × 136.5
Weight	450g

## 3. Dimension



(Unit: mm)

