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## Key Features

- Up to 4 megapixel (2688×1520 )@ 20 fps resolution
- Standard video compression with high compression ratio, ROI (region of interest) encoding
- Progressive scan CMOS
- Built-in Micro SD/SDHC/SDXC card slot, up to 128 GB
- IR range approx. 10 meters
- Two-way audio
- Built-in microphone and speaker
- Support Wi-Fi, support WPS configuration with one touch
- Support PIR(Passive Infrared Detection)
- IR cut filter with auto switch
- PoE (Power over Ethernet)
- 120dB WDR
- Support dual stream, and the sub-stream for mobile surveillance
- Integrated mount for easy installation
- Support Backlight Compensation, Wide Dynamic Range, Auto-electronic shutter and so on
- Other functions: heartbeat, mirror, reset button, etc
- Support intrusion detection, line crossing detection
- Support VCA, which is compatible with NVR for the second time of video searching and analysing

## Application Scenarios

It is suitable for indoor monitor space with HD image quality like small market, home, office. In addition, it can be used in small range monitor space like unattended storage, hall, accounting office, motor room, garage and so on.

## Specifications

Model	DP-22CD1442FWD-IW
parameters	4 Megapixel CMOS Alarm Pro Cube Camera
<b>Camera</b>	
Image Sensor	1/3" Progressive Scan CMOS
Min. Illumination	0.01Lux @ (F1.2, AGC ON) ,0 Lux with IR 0.028 Lux @(F2.0,AGC ON), 0 Lux with IR
Shutter Speed	1/3 s to 1/100,000 s
Lens	2.8mm, 4mm, 6mm @ F2.0
Lens Mount	M12
Day &Night	IR cut filter with auto switch
Digital Noise Reduction	3D Digital Noise Reduction
WDR	120dB WDR
<b>Compression Standard</b>	
Video Compression	H.264+/H.264 / MJPEG
H.264 encoding level	Main Profile
Video Bit Rate	256 Kbps ~ 16 Mbps
Audio Compression	G.711/G.722.1/G.726/MP2L2
Audio Bit Rate	64Kbps(G.711) / 16Kbps(G.722.1) / 16Kbps(G.726) / 32-128Kbps(MP2L2)
<b>Image</b>	
Max. Resolution	<b>2688×1520</b>
Main Stream	50Hz: 20fps (2688 x 1520), 25fps (1920 × 1080), 25fps (1280 × 960), 25fps (1280 × 720) 60Hz: 20fps (2688 x 1520), 30fps (1920 × 1080), 30fps (1280 × 960), 30fps (1280 × 720)
Sub Stream	50Hz: 30fps (640x360, 350x288) 60Hz: 25fps (640x360, 350x240)
Others	Rotate mode, Saturation, Brightness, Contrast adjustable by client software or web browser, Mirror, BLC, ROI, Dual Stream, Anti-Flicker, Privacy Mask
<b>Network</b>	
Network Storage	NAS (Support NFS,SMB/CIFS), ANR
Alarm Trigger	Line Crossing, Intrusion Detection, Motion detection, Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception
Protocols	TCP/IP,ICMP,HTTP,HTTPS,FTP,DHCP,DNS,DDNS,RTP,RTSP,RTCP, PPPoE,NTP,UPnP,SMTP,SNMP,IGMP,802.1X,QoS,IPv6,Bonjour
General	Password Protection, Privacy Mask, IP Address Filtering, Anonymous Access
Standard	ONVIF, PSIA, CGI, ISAPI
<b>Interface</b>	

# DUNLOP

Communication Interface	1 RJ45 10M/100M Ethernet interface
Alarm input	1
Alarm output	1
<b>Wi-Fi Specification</b>	
Wireless Standards	IEEE802.11b, 802.11g, 802.11n
Frequency Range	2.4 GHz ~ 2.4835 GHz
Channel Bandwidth	20/40MHz Support
Protocols	802.11b: CCK, QPSK, BPSK 802.11g/n: OFDM
Security	64/128-bit WEP, WPA/WPA2, WPA-PSK/WPA2-PSK, WPS
Transmit Output Power	11b: 17±1.5dBm @ 11Mbps 11g: 14±1.5dBm @ 54Mbps 11n: 12.5±1.5dBm
Receive Sensitivity	11b: -90dBm @ 11Mbps (Typical) 11g: -75dBm @ 54Mbps (Typical) 11n: -74dBm (Typical)
Transfer Rates	11b: 11Mbps 11g: 54Mbps 11n: up to 150Mbps
Wireless Range	50m(depend on environment)
Wireless Standards	IEEE802.11b, 802.11g, 802.11n
<b>General</b>	
Operating Conditions	-30 °C – 60 °C Humidity 95% or less (non-condensing)
Power Supply	DC12V±10% / PoE(802.3af)
Power Consumption	5W MAX
PIR	Angle: 80°
	Range: 10m
IR Range	10 meters
Dimensions (mm)	66×91.5×131.3(2.60"×3.60" ×5.17")
Weight	400g(0.88lbs)