**Key Features**

- 1/3" HD CMOS Sensor
- 1920 x 1080 Full HD, 20x Optical Zoom
- WiFi
- Digital WDR
- Smart Tracking
- Smart Detection
- EIS (Electronic Image Stabilization)
- PoE+/12 VDC Power Supply

**Dimensions**

- Width: 6.95" (176.6 mm)
- Height: 7.09" (202.7 mm)
- Depth: 3.15" (80 mm)
- Weight: 3.3 lbs (1.5 kg)

**Order Model**

DS-2DF5220S-DE4/W

**DS-2DF5220S-DE4/W**

**Camera Module**

- **Image Sensor**: 1/3" progressive scan CMOS
- **Minimum Illumination**: Color: 0.3 lux, B/W: 0.02 lux (f/1.6, 1/30 sec, 50 IRE, AGC on)
- **Max. Image Resolution**: 1920 x 1080
- **Focal Length**: 4.7 mm to 94 mm, 20x
- **Digital Zoom**: 16x
- **Zoom Speed**: Approximately 2.7 s (optical wide to tele)
- **Angle of View**: 58.3° to 3.2° (wide to tele)
- **Min. Working Distance**: 10 mm to 1500 mm (wide to tele)
- **Aperture Range**: f/1.6 to f/3.5
- **Focus Mode**: Auto/semi/automatic/manual
- **WDR**: Digital WDR
- **S/N Ratio**: 65 dB
- **Shutter Speed**: 1/100,000 s
- **AGC**: Auto/manual
- **White Balance**: Auto/manual/ATW/indoor/outdoor/daylight/lamp/sodium lamp
- **Day/Night**: AGC
- **Audio**: line input: 2 channels, line output: 1 channel, line level, impedance: 600 Ω, NTSC (or PAL) composite, BNC
- **Camera Module**: Outdoor/Indoor, 1/3" HD CMOS, 1.3 Megapixels, Super 3MOS

**Smart Features**

- **Smart Tracking**: Manual/panorama/intrusion trigger/motion crossing trigger/region entrance/region exiting/region exiting
- **ROI Encoding**: Supports 2 areas with adjustable levels
- **Alarm**: De/Enabling, BNC/Composite output, Line 1/4/8/16, BNC, AGC on
- **Alarm I/O**: 2/1
- **Alarm Trigger**: Intrusion detection, line crossing detection, region detection, region crossing trigger, region entering trigger, region exiting trigger
- **SD Memory Card**: Supports up to 24GB, SDHC/SDXC card
- **Audio Input**: 1 mic in line interface, line input: 2 to 4 Vp-p, output impedance: 1 KΩ ± 10%
- **Audio Output**: 1 audio output interface, level: impedance: 600 Ω
- **Input/Output**: 1 HD-SDI output interface, Video output: 720p @ 30 fps; 1080p @ 25 fps
- **先后**: 720p @ 60 fps; 1080p @ 50 fps
- **WiFi**: Wireless Standards: IEEE802.11a, 802.11b, 802.11g, 802.11n, IEEE802.11n, IEEE802.11ac
- **Frequency Range**: 2.4 GHz to 2.4835 GHz
- **Channel Bandwidth**: 25/40 MHz Support Protocols: 802.11b: CCX, QPSK, BPSK, 802.11g: OFDM Security: 64/128-bit WEP, WPA/WPA2, WPA-PSK/WPA2-PSK, WPS, Transfer Rates: 11b: 11 Mbps; 11g: 54 Mbps; 11n: up to 150 Mbps Wireless Range (max.): Supports up to 20 users
- **MicroSD Memory Card**: Supports up to 128 GB microSD/SDHC/SDXC card
- **User/Host Level**: Up to 32 users, 3 Levels: administrator, operator, and user
- **Security Measures**: User authentication (ID and PW); host authentication (MAC address); IP address filtering

**System Integration**

- **Application Programming**: Open-ended API, supports ONVIF, PSIA, CGI, iSAPI
- **Web Browser**: IE 7.0, Chrome 18, Firefox 5.0, Safari 5.0+, supports multi-language
- **RS-485 Protocols**: HIKVISION, Pelco-P, Pelco-D
- **RS-232**: Visca, Pelco-P, Pelco-D
- **Power**: 12 VDC, PoE+, maximum 24 W
- **Working Temperature**: -10° C to 50° C (-14° F to 122° F)
- **Humidity**: 90% or less
- **Certification**: FCC, CE, UL, RoHS, IECEN 61000, IECEN 55222, IECEN 55024, IECEN68995-1
- **Dimensions**: 176.6 mm x 202.7 mm (6.95" x 7.98")
- **Weight (approximately)**: 3.3 lbs (1.5 kg)

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