

**8MP 31X Smart IR Network PTZ Camera**

**Product model : FS-WD272-9310**



**FEATURES**

- ◆Support max 3840\*2160@30fps HD video output
- ◆H.264 encoding
- ◆Low illumination 0.1Lux/F1.6(Color), 0.05Lux/F1.6(B/W), 0 Lux(IR on)
- ◆31X 8MP HD optical zoom auto focus lens
- ◆Support 3DNR, WDR, defog, HLC, anti shake, etc
- ◆Support 360° pan endless; tilt 0°-90°
- ◆Support manual speed: 0.1°-200°/S, preset:250°/S
- ◆256 presets, 4 pattern scan, 8 preset cruise
- ◆3D positioning, privacy mask, PTZ watch
- ◆Support target counting, electronic fence, retrograde detection, off-site detection
- ◆Support face recognition, Human and vehicle shape detection
- ◆1CH audio input, 1CH audio output
- ◆2CH alarm input, 1CH alarm output, support alarm linkage
- ◆Support smart IR grouping control, IR distance can reach 180m
- ◆Support max 128G Micro SD card
- ◆SDK, ONVIF, API, GB/T28181 protocol
- ◆Lightning Protection, surging prevention, anti surge, IP66 protection level

**SPECIFICATION**

Zoom module	
Image sensor	1/1.8"Sony 8.42M CMOS Sensor
Min. illumination	Color: 0.1 Lux@F1.6; B/W: 0.05Lux@F1.6, 0Lux(IR ON)
Effective pixels	8MP
Resolution	More than 1000TVL
Optical zoom	31X
Digital zoom	/
Focal length	f=6.5mm~202mm

Iris	F1.55(W)~F4.8 ( T )
Angle Of View	70° ( Wide ) ~2.51°(Tele)
Zoom speed	1-10 level optional
Focus mode	Auto/ Manual
S/N ratio	> 50dB
Image adjust	Support brightness, contrast, saturation, Hue can be adjusted through web
White balance	Auto/Custom/Lock white balance / incandescent / warm / natural / fluorescen
Image mode	Standard/gorgeous/natural
Iris control	Auto/ Manual
Electronic shutter	Auto/ Manual (1/25~1/10000)
Auto slow shutter	On/Off
Gain control	Lower/Low/Middle/High/Higher
BLC	Off/HLC/BLC
WDR	Off/TWDR/DWDR
Day/Night	Auto/Color/ B/W/Extern
Mirror	Normal/ Horizontal Mirror/Vertical Mirror/180° rotation
DNR	3DNR, Off/Low/Middle/High/Higher
Defog	Off/Low/Middle/High
Anti Shake	Off/Low/Middle/High
<b>AUDIO/VIDEO COMPRESSION</b>	
Video compression	H.264
	Main Profile
H.264	Base Line / Main Profile / High Profile
Frame rate	1~30fps adjustable
Main stream resolution	3840×2160(2160P), 2688×1512 ( 1512P ) , 2560×1440(1440P), 2048×1536 ( 1536P ) , 1920×1080(1080p) , 1280×960(960p
Sub stream resolution	720x576(D1) , 640x480(VGA) , 352x288(CIF)
Output format	PAL/NTSC adjustable
Max.resolution	3840×2160
Video bit rate	Constant bit rate, Variable bit rate ( 16kbps-8000kbps )
Stream type	Complex stream/ Video stream
Audio compression	G.711u
Audio bit rate	64Kbps
Audio control	Input volume ( 0-100 ) ,output volume ( 0-100 )
ROI	8 zones ( 1-6 )
<b>FUNCTION</b>	
Pan range	360° endless

Tilt range	0°~ 90°
Manual control	0.1°~200°/s
Preset speed	250°/s
Preset accuracy	0.1°
Preset	256
Cruise	8 groups
Pattern	4 groups
Continuous scan	Support
Proportion zoom	Auto
PTZ watch	Off/ Preset/ Cruise/ Pattern
Auto flip	Mechanical Flip
Power off memory	Support
3D positioning	Support
Magnification / Coordinate	Support
IR irradiation angle	Automatically grouping adjusted, depending on the zoom ratio
IR distance	180m
Smart IR	IR irradiation brightness and angle can be adjusted depending on the zoom ratio
<b>NETWORK</b>	
Network protocol	IPv4,TCP,UDP,HTTP,HTTPS,SMTP,FTP,NTP,DNS,DDNS,DHCP,ARP,UPnP,RTSP,RTCP,IGMP,PPPoE,ICMP,SNMP
Access protocol	ONVIF GB/T28181
Browser	Support IE11
Video preview meanwhile	Max 10CH
User permission	User Add / Delete / Modify, Administrator/ Operator/Ordinary users
Safe mode	Authorized user name and password
Motion detection	Multi areas, multi-level sensitivity threshold optional
Tampering alarm	1 zone
Privacy mask	8 zones
Smart analysis	Target Counting、 Electronic Fence、 Retrograde Detection、 Off-site Detection
Event linkage	Snapshot, TF card video, FTP upload or Email sending , alarm output linkage, Preset linkage
Multicast	On/Off
ANR	Support, match with the NVR
Mobile surveillance	Support Android,Apple
Device exception	Support network disconnected, IP conflict, illegal access alarm

OSD	Title, time and date overlay, OSD color/size adjustable
DST	Support
System upgrade	Support online remote upgrade
<b>AI</b>	
Face detection number	detect 30 static or 10 dynamic face targets simultaneously
Recognition face size	Face pixel ≥80 pixels
Posture	Capture within 20 degrees in vertical, within 20 degrees in horizontal
Face deduplicate	Support
Face quality filtering	Support
dynamic exposure	Support
Face database capacity	Support built-in 10000 faces
Recognition area	Full image recognition, support zone optional setting
Upload mode	FTP , SDK function calling upload
Human and vehicle shape detection	Target Counting、 Electronic Fence、 Retrograde Detection、 Off-site Detection
<b>INTEGRATION</b>	
Network interface	RJ45 10M/100M Network Adaptive
Analog video output	/
Audio	1CH input/1CH output, monitoring or bidirectional talk
Alarm input	2 CH input
Alarm output	1CH output,support alarm linkage
Reset	Support
RS485 port	Support FSAN protocol
TF card	Support Max 128G, Support ANR
<b>GENERAL</b>	
Protection grade	IP66
Operating temperature	Outdoor: -30°C ~ 60°C(Support 30 minutes delay to boot up under low temperature )
Operating humidity	10 % ~90 % RH ( No condensation)
Power supply	DC24V/2.5A ( ±10% )
POE	/
Power	60W

consumption (max.)	
Dimensions(mm)	426.7(H)*250(D)mm
Weight/PCS(Kg)	About 9kg

**Product dimensions and interface**

