2MP 30X Smart IR Network PTZ Camera

Product model : FS-WD232C-630B

FEATURES

◆Support max 1920*1080@30fps HD video output

◆H.264 encoding

◆Low illumination 0.01Lux/F1.6(Color), 0.001Lux/F1.6(B/W), 0 Lux(IR on)

◆30X 2MP 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°-180°/S, preset:200°/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,helmet 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 120m

◆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	1/2.8"Sony 2.13M CMOS Sensor
Min. illumination	Color: 0.01 Lux@F1.6; B/W: 0.001Lux@F1.6, 0Lux(IR ON)
Effective pixels	2MP
Resolution	More than 1000TVL

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Optical zoom	30X
Digital zoom	/
Focal length	f=5.2mm~156mm
Iris	F1.3(W)~F4.8（T）
Angle Of View	65.4°（Wide）~2.48°(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/180º rotation
DNR	3DNR, Off/Low/Middle/High/Higher
Defog	Off/Low/Middle/High
Anti Shake	Off/Low/Middle/High
AUDIO/VIDEO COMPRESSION	
Video compression	H.264
	Main Profile
H.264	Base Line / Main Profile / High Profile
Frame rate	1~30fps adjustable 1920×1080，1280×960，1280x720，720×576
Main stream resolution	1920×1080(1080p) ，1280x960(960p)，1280x720(720p)，720x576(D1)，640x480(VGA)，352x288(CIF)
Sub stream resolution	720x576(D1)，640x480(VGA)，352x288(CIF)
Output format	PAL/NTSC adjustable
Max.resolution	1920X1080
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）
FUNCTION	
Pan range	360° endless
Tilt range	0°~ 90°
Manual control	0.1°~180°/s
Preset speed	200°/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	120m
Smart IR	IR irradiation brightness and angle can be adjusted depending on the zoom ratio
NETWORK	
Network protocol	IPv4,TCP,UDP,HTTP,HTTPS,SMTP,FTP,NTP,DNS,DDNS,DHCP,ARP,UPnP,RTSP,RTP,RTCP, IGMP,PPPoE,ICMP,SNMP
Access protocol	ONVIF　GB/T28181
Browser	Support IE11
Video preview meanwhile	Max 8CH
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
AI	
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
INTEGRATION	
Network interface	RJ45 10M/100M Network Adaptive
Analog video output	/
Audio	1CH input/1CH output, monitoring or bidrectional talk
Alarm　input	2 CH input
Alarm　output	1CH output,support alarm linkage
Reset	Support
RS485 port	/
TF card	Support Max 128G, Support ANR
GENERAL	
Protection grade	IP66
Operating temperature	Outdoor: -30℃～60℃(Support 30 minutes delay to boot up under low temperature)
Operating	10％～90％RH (No condensation)

humidity	
Power supply	DC24V/1.5A（±10%）
POE	Support, (IEEE802.3at standard)
Power consumption (max.)	36W
Dimensions(mm)	380(H)*216(D)mm
Weight/PCS(g)	About 7kg

Product dimensions and interface

1. Power supply
2. Audio input
3. Reset
4. Audio output
5. Alarm input
6. Alarm output
7. /
8. Network interface