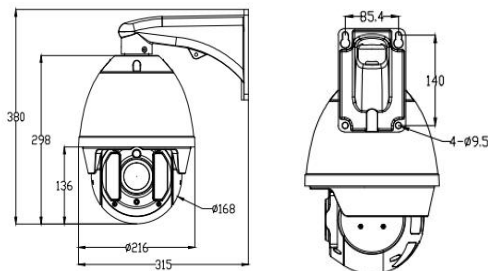## FEATURES:

- Support max 1920*1080@30fps HD video output
- H.264/MJPEG encoding
- Low illumination 0.22Lux/F1.6(Color), 0.002Lux/F1.6(B/W), 0 Lux(IR on)
- 23X 2MP UHD 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, objects inspection, area detection, line crossing 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

APPLICATIONS:

IR Network HD intelligent Dome various features make it can be widely used where required a wide range of HD quality image surveillance places, such as: rivers, forests, roads, railways, airports, ports, sentry, square, park, scenic spot, streets, railway stations,large gymnasium, Village outside, etc.
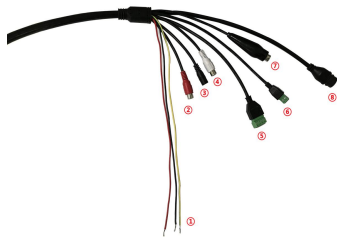
DIMENSIONS:

SPECIFICATION :

Parameter	Model	FS-WD232C-6233-B
Zoom module		
Image sensor	1/2.8″Sony 2.13M CMOS Sensor	
Min. illumination	Color: 0.02 Lux@F1.6; B/W: 0.002Lux@F1.6, 0Lux(IR ON)	
Effective pixels	2MP	
Resolution	More than 1000TVL	
Optical zoom	23X	
Digital zoom	16X	
Focal length	f=4.7mm~108.1mm	
Iris	F1.5(W)~F3.0（T）	
Angle Of View	55.8°（Wide）~3.2°(Tele)	
Zoom speed	3s (wide angle-telescope)	
Focus mode	Auto/ Manual/One push	
Focus area	/	
S/N ratio	＞50dB	
Image adjust	Support brightness, contrast, saturation, Hue can be adjusted through web	
White balance	Auto/Indoor/Outdoor	
Image mode	Standard/gorgeous/natural	
Iris control	Auto/ Manual	
Electronic shutter	Auto/ Manual (1/5~1/5000)	
Auto slow shutter	On/Off	
Gain control	Low/Middle/High	
BLC	Off/WDR/HLC/BLC	
Dark compensation	On/Off	
Exposure compensation	/	
HLC	On/Off	
WDR	Off, Low/Middle/High	
Day/Night	Auto/Color/ B/W	
Mirror	Normal/ Horizontal Mirror/Vertical Mirror/180° rotation	
DNR	3DNR, Off/Low/Middle/High	
Defog	On/Off	
Anti Shake	On/Off	
AUDIO/VIDEO COMPRESSION		
Video compression	H.264/MJPEG	
encoding Type	Support	
H.264 encoding Type	Base Line / Main Profile / High Profile	
Frame rate	1~30fps adjustable 1920×1080, 1280x1024, 1280×960, 1280x720, 720×576	
Main stream resolution	1920×1080(1080p), 1280×1024(XVGA), 1280x720(720p), 1280x960(960p), D1	
Sub stream resolution	720X576(D1), 640*480(VGA), 640*360(Q720)352X288(CIF), 320×240(QVGA)，176X144(QCIF)	
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）, Input volume（0-100）	
ROI	4 zones（1-6）	
Watermark function	/	
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	
Linear Scan	8 groups	
Pattern	4 groups	
Continuous scan	Support	
Proportion zoom	Auto	
PTZ watch	Off/ Preset/ Cruise/ Pattern/ Linear scan（1~15min）	
Auto flip	Mechanical Flip	
Power off memory	Support	

WIRE INTERFACE:

1. Power supply
2. Audio bidrection talk input
3. Reset
4. Audio output
5. Alarm input
6. Alarm output
7. Analog video output
8. Network interface

3D positioning	Support
Magnification / Coordinate displa	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 IE8 above
Video preview meanwhile	Max 4CH
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/objects detection/area detection/line crossing detection
Event linkage	Snapshot, TF card video, FTP upload or Email sending , alarm output linkage, Preset linkage
Multicast function	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
Other	/
INTEGRATION	
Network interface	RJ45 10M/100M Network Adaptive
Analog video output	1.0Vp-p complex video output, 75Ω
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	(Support optional) Half Duplex, support Pelco-P and Pelco-D
TF card	Support Max 128G, Support NFR
Other	/
GENERAL	
Protection grade	IP66
Operating temperature	Outdoor: -30℃～60℃(Support 30 minutes delay to boot up under low temperature)
Operating humidity	10％~90％RH (No condensation)
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