

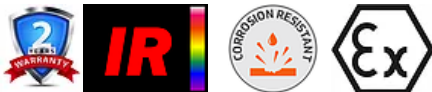
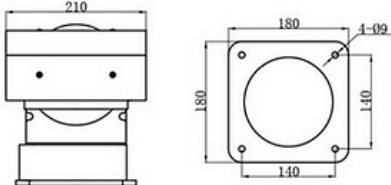
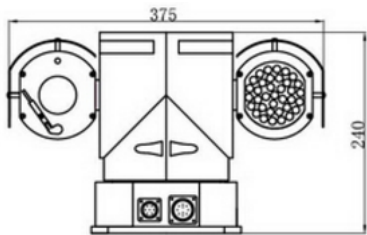
Ocular Intrinsically Safe Ultra HD



Lens/Zoom Ordering Part Numbers
 Mod 96-20-2SL = 1080P resolution; 20x Zoom; Starlight
 Mod 97-36-2 = 1080P Resolution; 36x Zoom
 Mod 98-20-4 = 2K Resolution; 20x Zoom

IP67 STAINLESS 2K H.264 SD 20x/36x PoE

- Intrinsically Safe
- 20x/36x Optical Zoom
- 150Mt IR Distance
- 3D Intelligent Positioning
- Environmental IP67
- Explosion Proof
- 316 Stainless Steel
- Internal SD Storage
- Intelligent Wiper



Camera

Image Sensor	1/3" Progressive Scan Sony CMOS
Minimum Illumination	0 lux w IR ON
Shutter Speed	1 ~ 1/10,000 sec
Focus	Auto, semi auto, manual
Lens Focal Length	4.8 mm~84 mm 20x or 4.6 mm~167 mm 36x or 4.7mm~94 mm
Angle of view	100 Wide ~ 3.07 Tele
Aperture Range	F1.6~F5.0
Infrared Range	Up to 150 mts, automatically adjusted with zoom
Digital Noise reduction	3D DNR & Smart Dynamic Noise Reduction sDNR
Wide Dynamic Range	Digital WDR (on/off)
White Balance	Auto, manual, ATW, interior, exterior, daylight, lamp
Pan/Tilt/Rotation/Presets	Pan 360, tilt -15 to 90 (auto flip), speed 200/sec / 256 presets
Zoom	20x Optical; 16x Digital or 36x Optical; 22x Digital or 20x Optical; 18x Digital
Intelligent remote controlled wiper	w auto clean mode

Wiper

Compression Standards

Video Compression	H.264+/H.264/MJPEG
H.264 Type	Main Profile
Video Bit rate	32 Kbps to 16 Mbps
Number of Streams	3 (Unicast or multicast)
Audio	G.711/G.722/G.726/MP2L2/64kbps/G.711/16kbps

Image

Maximum Resolution	Starlight 1080P HD 1920x1080 or 1080P HD 1920 x 1080 or Super 2K 2304 x 1296 1080P HD 1920x1080 @ 30fps 1080P HD 1920 x 1080 @ 30 fps or Super 2K 2304 x 1296 @ 30fps
Image Settings	Rotate, saturation, brightness, sharpness, contrast
Backlight Compensation	Yes, Zone configurable
Zones of interest	Yes up to 128 configurable areas
Privacy Masks	Yes up to 10 configurables

Analytics

Smart Features Motion, Auto Tracking

Network

Network Storage NAS (Supports NFS, SMB/CIFS); ANR
 Alarm Triggers Motion, line crossing, network disconnect, IP conflict
 Protocols TCP/IP,UDP,ICMP,HTTP,HTTPS,FTP,DHCP,DNS,DDNS, RTP
 RTSP, RTCP PPPoE NTP UPnP SMTTP SNMP IGMP 802.1X QoS
 IPv6 IPv4

Security

Three level user authentication, password authorization,
 HTTPS and SSH Certificate, IEEE802.1X, basic and digest
 authentication, watermark, IP address filtering, log-in lockout
 ONVIF (profile S, G, PSIA, CGI, ISAPI)

Standards

Interface

Communication 1 RJ45 10M/100M Auto Ethernet port
 On-Board Storage Built in micro SD/SDHC/SDXC slot up to 64GB (opt)
 Alarm 1 alarm I/O
 Audio 1 audio I/O dry contact

General

Operating Conditions -35C TO 60C, humidity 90% or less (non-condensating)
 Power 24 VAC +/- 10%, Hi-PoE, 802.3af, UL/cUL Listed
 Power Consumption Maximum 38 watt w IR ON / 30 Watt IR OFF
 Protection TVS 4,000V Lighting Protection, Surge Protection
 Ingress Protection IP 66 (heater and cooling vent controlled by thermostat)
 Impact Protection IEC60068-275Eh,20J; EN 50102; IK10
 Regulations IEC/EN 61000, IEC/EN 55022, IEC/EN 55024, IEC/EN60950-1
 FCC Part 15, Class, UL cUL 60950-1, RoHS