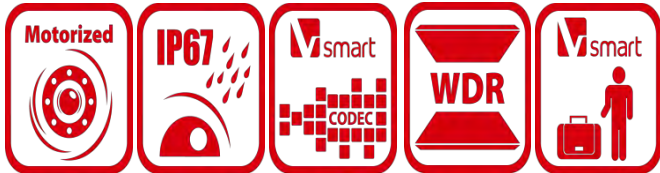**MOVIL-VISION** ®
Remote Surveillance Anywhere

IPC-3299SH 2MP Smart IP Outdoor Bullet Camera

smart IPC

IPC-3299SH is Smart IPC and features complete Smart functions including:

Smart Detection
Intrusion Detection, Line Crossing Detection, Object Left/Removal, Area Entering/Leaving, Scene Change Detection, Audio Surge Detection, Audio Loss Detection, Defocus Detection, Face Detection, Object Counting, etc.

Smart Codec
Smart Recording with dual-VCA, Low Bitrate, Low Latency, ROI enhancement, Multi-stream, Rotate Mode, Edge Recording, etc.

Smart Image Control
Support distortion correction

The IPC-3299SH smart cameras are able to capture high quality colored images in back light environment. IPC-3299SH offers Full HD resolution with up to 60fps high frame rate, 120dB WDR, PoE, Defog, 3D DNR and complete Smart Feature-set to meet a wide variety of applications.

- 1/2.8" Progressive Scan CMOS
- Full HD1080p video
- Up to 60fps frame rate
- High light environment
- Slow shutter
- 120dB WDR
- 3D DNR
- -H: smart heater
- -S: Audio/Alarm IO
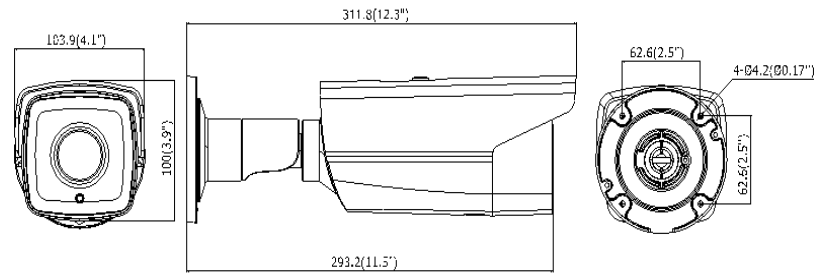- Support 128G on-board storage
- DC12V/PoE(802.3at)

IPC-3299SH 2MP Smart IP Outdoor Bullet Camera

Specification

Camera	
Image Sensor	1/2.8'' Progressive Scan CMOS
Min. Illumination	0.005 Lux @ (F1.2, AGC ON), 0 lux with IR 0.007 Lux @ (F1.4, AGC ON), 0 lux with IR
Shutter Speed	1/3s ~ 1/100,000s
Slow Shutter	Support
Lens	4.7-94mm @ F1.4 angle of view:53.8°~3.1°
Lens Mount	AF automatic focusing and motorized zoom lens
Auto-iris	DC drive
Day & Night	IR Cut Filter with auto switch
WDR	120dB
Compression Standard	
Video Compression	H.264+/H.264/MJPEG/MPEG4
H.264 Type	Baseline Profile / Main Profile / High Profile
Video Bit Rate	32 Kbps – 16 Mbps
Audio Compression	G.711/G.722.1/G.726/MP2L2
Audio Bit Rate	64Kbps(G.711) / 16Kbps(G.722.1) / 16Kbps(G.726) / 32-128Kbps(MP2L2)
Image	
Max. Resolution	1920 × 1080
Frame Rate	50Hz: 50fps (1920 × 1080)/(1280 × 960)/(1280 × 720) 60Hz: 60fps (1920 × 1080)/(1280 × 960)/(1280 × 720)
Third Stream	Independent with Main Stream and Sub Stream, up to 50Hz: 1fps(1920 × 1080); 60Hz: 1fps (1920 × 1080)
Image Enhancement	EIS/BLC/HLC/3D DNR/ROI/Defog
Image Setting	Rotate Mode, Saturation, Brightness, Contrast, Sharpness adjustable by client software or web browser
Distortion Correction	Support
Regional Cropping	Support
Day/Night Switch	Auto/Schedule/Triggered by Alarm In
Picture Overlay	LOGO picture can be overlaid on video with 128x128 24bit bmp format
Network	
Network Storage	NAS (Support NFS,SMB/CIFS), ANR
Alarm Trigger	Motion detection, Tampering alarm, Network disconnect, IP address conflict, Storage exception
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour
Security	User Authentication, Watermark, IP address filtering, Anonymous access
Standard	ONVIF(PROFILE S,PROFILE G),PSIA,CGI,ISAPI
Interface	
Audio (-S)	1-ch 3.5 mm audio in (Mic in/Line in)/out interface
Communication Interface	1 RJ45 10M/100M/1000M Ethernet port, 1 RS-485 interface
Alarm (-S)	1 input, 1 output (up to DC24V 1A or AC110V 500mA)
Video Output (-S)	1Vp-p composite output (75 Ω/BNC)
On-board storage	Built-in Micro SD/SDHC/SDXC slot, up to 128 GB
Reset Button	Yes

Dimensions

Audio (-S)	
Environment Noise Filtering	Support
Audio I/O	Support dual audio track, stereo
Audio Sampling Rate	16kHz / 32kHz / 44.1kHz / 48kHz
Smart Feature-set	
Behavior Analysis	Line crossing detection, Intrusion detection, Region entrance, Region exiting, Unattended baggage, Object removal
Line Crossing Detection	Cross a pre-defined virtual line
Intrusion Detection	Enter and loiter in a pre-defined virtual region
Region Entrance	Enter a pre-defined virtual region from the outside place
Region Exiting	Exit from a pre-defined virtual region
Unattended Baggage	Objects left over in the pre-defined region such as the baggage, purse, dangerous materials
Object Removal	Objects removed from the pre-defined region, such as the exhibits on display.
Exception Detections	Scene change detection, Sudden audio increase/decrease detection, Audio loss detection, Defocus detection
Recognition	Face detection recognition
Statistics	Object Counting (Entrance and Exit object number is accounted and showed on screen in real time)
General	
Protection Level	IP67
IR Distance	Up to 120m
Operating Conditions	-30 °C – 60 °C (-22 °F – 140 °F), Humidity 95% or less (non-condensing), -H: -40 °C – 60 °C
Power Supply	12 V DC ± 10%, PoE (802.3at)
Power Consumption	DC: 10.8W, PoE: 14W
Dimensions	100×103.9×311.8mm (3.94" × 4.09" × 12.28")
Weight	2000 g (4.41 lbs)