

Model name	RS-CH340N4MHI-HALDF-LFWA2812PW
Design	
Video	
Imaging Device	1/2.8"
Effective Pixels	8MP 3840(H)×2160(V)
Scanning System	Progressive CMOS
Min. Illumination	Color 0.007lux @ F1.0(AGC ON) ; B/W 0 lux @ IR ON
Lens Type	
Focal Length (Zoom Ratio)	2.8-12mm
Max. Aperture Ratio	F No. 1.2
Angular Field of View	H:107(W)-34(T)° V: 56(W)-19(T)° D: 129(W)-39(T)°
Min. Object Distance	1.5m
Lens Type	Ø16.7
Operational	
IR LED	2
WarmLight	2
Red Blue Light	2 (1 Red&1 Blue)
IR Viewable Length	Up to 25m
WarmLight Viewable Length	Up to 20m
Type of complementary light	Default warm light, switchable infrared light
Motion Detection	Off/On (8 Level)
Wide Dynamic Range	WDR
Digital Noise Reduction	3D DNR
Image Setting	Full Color Mode/Day&Night Mode/Schedule
White Balance	Auto/Manual
Electronic Shutter Speed	1/5 ~ 1/20000s
On-Board Storage	Micro SD slot, up to 256GB
Alarm	One input/output
Audio	Built-in microphone&Speaker/ one input and one output
Custom Voice	Yes
Hardware Reset	Yes
Smart Feature	Face Recognition (FR) Human&Vehicle Detection (PD&VD) Perimeter Intrusion Detection (PID) Line Crossing Detection (LCD) Cross Counting (CC) Stationary Object Detection (SOD) Heat Map (HM) Crowd Density Detection (CD) Queue Length Detection (QD) license Plate Detection (LPD) Rare Sound Detection (RSD)
Network	
Ethernet	RJ45(10/100BASE-T)
Video Compression Format	H.265/H.264

Resolution	Main Stream @30fps 8MP(3840x2160),5MP(2592x1944,3072x1728), 4MP(2592x1520),3MP(2304x1296),1080P(1920x1080), 960P(1280*960),720P(1280x720), Sub Stream @30fps 720P(1280x720),VGA(640x480),QVGA(320x240) Mobile Stream @30fps VGA(640x480), QVGA (320x240)
Video Quality Ajustment	256Kbps ~ 16Mbps
Bitrate control method	CBR/VBR
IP	IPv6
Protocol	TCP/IP,HTTP,DHCP,DNS,DDNS,RTP/RTSP, SMTP,NTP,UPnP,SNMP,HTTPS,FTP
Security	IP address filter;complicated password;Authenticated username and password
Application Programming Interface	ONVIF(Profile S/G/T)
Web Viewer	IE10/11 Safari V12.1 above Firefox V.52 above Google chrome V.57 above Edge V.79 above
Environmental	
Operating Conditions	-35 ~ +60°C/less than ≤ 95% RH
Ingress Protection	IP66
Electrical	
Input Voltage / Current	D12V/POE(IEEE802.3af)
Power Consumption	TBD
Mechanical	
Material	Metal