

N503L

IP Camera Module — Product Specification



Specifications

Model	N503L
Camera	
Image Sensor	1/3" 5MP SmartSens SC4336P CMOS
Soc Chip	SigmaStar SSC375
Effective Pixels	2560(H)×1944 (V)
Exposure Shutter	AUTO/Manual: 1/10s ~ 1/8000s, Max Shutter speed adjustable
Day/Night	Auto(Active/passive/schedule)/Day/Night, switch threshold, sensitivity, anti-flicker(Auto/50Hz/60Hz)
Image Adjust	Brightness,Saturation,Sharpness,Contrast,Denoise (0-100%) adjustable
White Balance	AWB/MWB
WDR	DWDR
Light Mode	Smart(dual-light) / IR / White light, adjustable
Light Control	Auto/Manual, Brightness level (0-100%) adjustable
DNR	2D/3D DNR
Encode	
Video Standard	H.264/H.265
Video Resolution	Main Stream: 25fps@5MP(2560x1944)(default)/4MP(2560x1440)/3MP(2304x1296)/1080P/720P Sub Stream: 25fps@640x360/CIF(352x288)
Video Bitrates	Main stream: 64kbps-8Mbps Sub stream: 64kbps-2048kbps VBR/CBR , quality(1-9), GOP(1-128)
Image Snapshot	Sub Stream(SD) snapshot
Image Rotation	No
Border Crop	X crop, Y crop
Image Mirror	horizontal / vertical / horizontal & vertical adjustable
OSD Overlay	Font size(1-4), position,Time, Title, AM/PM, Color, User OSD, Alarm OSD
Privacy Mask	4 areas
Region of Interest	ROI: Each stream support 8 areas

Audio Standard	G.711-u/G.711-a/AAC, with AEC
Led	
Lens	
Language	
Languages English, simplified Chinese, Chinese Traditional, Japanese, Korean, German, Polish, Italian, Turkish, Ukraine, Russian, etc.	
Smart Detection	
Motion Detection	Yes
Digital IO Alarm	1 pair Alarm-in/Alarm-out, normally open/normally close (optional)
Human Vehicle Detection	Yes, (2-20 meters)
Cross Line Detection	Yes, 4 lines
Perimeter protection	Yes, 4 areas
Face Detection	No
Target Detection Type	Human Shape, vehicle, non-motor vehicle, Pet
Trigger Action Linkage	Snapshot, Record, Relay(Red-blue Led flash) optional, White LED Flash, Voice siren, Email, FTP
Simultaneous Detection	Maximum 16 targets simultaneous detection
Storage Type	Schedule/Trigger: Email, FTP
Reset Button	Yes (with reset voice)
Network Services	
Protocol	HTTP(s)/RTSP/FTP/SMTP/DHCP/NTP/DST/RTP/RTMP/HiK/IPv4/IPv6/DDNS
IP Address Filtering	Yes (Allow list, Deny list)
P2P Mobile APP	No
Web Access	IE, Firefox, Chrome, Edge, Safari, etc. (Windows/Linux/Mac/Chromebook/Tablet/Mobile phone)
PC Tool	Windows, Mac
ONVIF	23.12 compatible (profile S G T M)
General	
Network Port	100 Mbps Ethernet via external cable; PoE requires an external PoE board
Power Supply	12 VDC $\pm$ 10%
Power Consumption	< 8 W
Operating Temp.	-20°C-(+60)°C, 10%-90%RH
Microphone Interface	Supports an external microphone (not included)
Speaker Interface	External speaker optional; not included
External Accessories	Network cable, PoE board, microphone and speaker are external accessories and are not included with the bare module