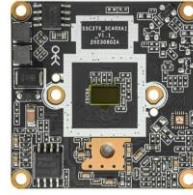
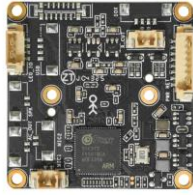


N401L

IP Camera Module — Product Specification



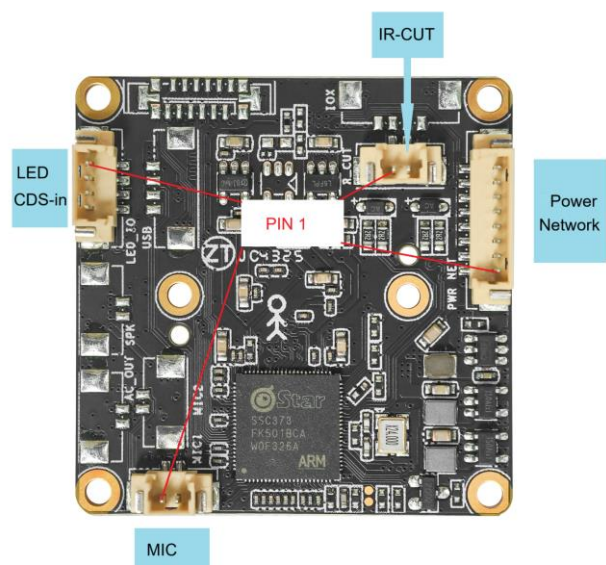
Specifications

Model	N401L
Camera	
Image Sensor	1/3" SmartSens SC2337P CMOS
Soc Chip	SigmaStar SSC373
Effective Pixels	2560(H)×1440 (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	No
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: 30fps@4MP(2560x1440)/3MP(2304x1296)/1080P/720P Sub stream: 30fps@640x360/CIF(352x288)
Video Bitrates	Main stream: 64kbps-8Mbps Sub stream: 64kbps-2048kbps VBR/CBR , quality(1-9), GOP(1-128)
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, AEC
Led	
IR Led	External light board supported (not included)
White Led	External light board supported (not included)
Smart Control	Yes
Lens	
Focal length	Fixed lens (external)
IR-CUT fixed position	L= 20mm, ID=2.0mm
Language	
Languages English, simplified Chinese, Chinese Traditional, Japanese, Korean, German, Polish, Italian, Turkish, Ukraine, Russian, etc.	
Smart Detection	
Motion Detection	Yes
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, White LED Flash, Voice siren, Email, FTP
Simultaneous Detection	Maximum 16 targets simultaneous detection
Storage Type	Schedule/Trigger: Email, FTP
Reset Button	Yes
Network Services	
Protocol	HTTP(s)/RTSP/FTP/SMTP/DHCP/NTP/DST/RTP/RTMP/P2P/HiK/IPv4/DDNS
IP Address Filtering	Yes (Allow list, Deny list)
P2P Mobile APP	Android, IOS
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	< 2 W
Operating Temp.	-20°C-(+60)°C, 10%-90%RH
Suggest users	2
Optional Peripheral Equipment	
IR-CUT	5-12V, 25-60Ω, ID:2.0mm
Condenser Mic	28 - 30 dB

Fill-in Led	IR/White , pwm control
Red&blue Alarm light	Not supported
Reset button	Yes (Active Low)
AF Lens Control	Not supported
Output Resolution	4MP
Microphone Interface	Supports an external microphone (not included)
Speaker Interface	No onboard speaker
External Accessories	Network cable, PoE board, microphone and speaker are external accessories and are not included with the bare module

Connection Diagrams & Pin Definitions



Connector pin pitch: 1.25 mm

Functions	Index	Pin definition	Description
Power/Network	1	DC 12V+	DC 12V+ (9.5V-15V)
Power/Network	2	GND	GND
Power/Network	3	RJ45_6	Network_RJ6
Power/Network	4	RJ45_3	Network_RJ3
Power/Network	5	RJ45_2	Network_RJ2
Power/Network	6	RJ45_1	Network_RJ1
Power/Network	7	Reset	Reset (Active Low)
Power/Network	8	LED1	Link active (3.3V)
Mic	1	MIC+	Mic (Condenser Mic)
Mic	2	MIC-	Mic (Condenser Mic)
IR-CUT	1	AOUT	IR-CUT+ (5-12V,25-60Ω)
IR-CUT	2	BOUT	IR-CUT- (5-12V,25-60Ω)
LED board	1	GND	GND
LED board	2	CDS-in	To led board (active-high 3.3v)
LED board	3	PWM1	IR led control (0-3.3V)
LED board	4	PWM0	White led control (0-3.3V)