



NI2SD1H-V028



**Mechanical IR
Cut Filter (ICR)**

FEATURES

- **HD TVI 1920 x 1080 @ 30fps**
- 2 Megapixel High Resolution
- 1/2.8" Progressive Scan CMOS
- 2.8mm Fixed Lens
- 0.01 Lux @ F2.0 (AGC ON), 0 Lux with IR
- 1 Matrix IR LED
- IR distance up to 100ft / 30m
- Mechanical IR Cut Filter (ICR)
- 3D DNR, Digital WDR
- Max. 7.5W
- 12V DC / PoE (802.3af)
- IP66 Rating

SPECIFICATIONS

Model	NI2SD1H-V028
Image Sensor	1/2.8" Progressive Scan CMOS
Horizontal Resolution	2.0MP
Max. Image Resolution	1920 x 1080
Frame Rate	60 Hz: 30 fps (1920 × 1080), 30fps (1280 × 960), 30 fps (1280 x 720) 50 Hz: 25 fps (1920 × 1080), 25 fps (1280 × 960), 25 fps (1280 x 720)
Shutter Time	1/3s (1/4s) ~ 1/100,000s
Minimum Illumination	0.01 Lux @ F1.2 (AGC ON), 0 Lux with IR
Day & Night	Built-in Mechanical IR Cut Filter (ICR)
Digital Noise Reduction	3D DNR
Wide Dynamic Range	Digital WDR
IR LED	1 Matrix IR LED
IR Distance	100ft / 30m
Lens Type	2.8mm Fixed Lens / F2.0 (Angle of view: 106°)
Lens Mount	M12
Angle Adjustment	Pan: 0°~360° ; Tilt: 0°~75° ; Rotation: 0°~360°
Video Compression	H.264 / MJPEG
H.264 Codec Profile	Main Profile
Bit Rate	32 Kbps ~ 8 Mbps
Dual Stream	Yes
Image Settings	Saturation, brightness, contrast adjustable through client software or web browser
ROI	Support
BLC	Yes, Zone Optional
Network Storage	NAS (Support NFS, SMB/CIFS)
Alarm Trigger	Motion detection, Dynamic analysis, 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
System Compatibility	ONVIF, PSIA, CGI, ISAPI
General Functionalities	Flash-prevention, dual stream, heartbeat, mirror, password protection, privacy mask, watermark, IP address filtering, Anonymous access
Communication Interface	1 RJ45 10M / 100M ethernet port
Power Source	12 VDC ± 10%, PoE (802.3af)
Power Consumption	Max. 7.5W
Impact Protection	IEC60068-275Eh, 50J; EN50102, up to IK10
IP Rating	IP66
Operating Temperature	-22°F ~ 140°F / -30°C ~ 60°C
Humidity	95% or less (non-condensing)
Dimension	5(Ø) x 4(H) inches / 126.7(Ø) x 102.1(H) mm
Net Weight	1.3 lbs / 0.57kg

*Specifications and appearance are subject to change without notice