



**NI3SD1H-V028**



**Mechanical IR  
Cut Filter (ICR)**

## FEATURES

- **HD TVI 2048 x 1536 @ 20fps**
- 3 Megapixel High Resolution
- 1/3" Progressive Scan CMOS
- 2.8mm Fixed Lens
- 0.07 Lux @ F1.2 (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. 7W
- 12V DC / PoE (802.3af)
- IP66 Rating

## SPECIFICATIONS

<b>Model</b>	<b>NI3SD1H-V028</b>
<b>Image Sensor</b>	1/3" Progressive Scan CMOS
<b>Horizontal Resolution</b>	3.0MP
<b>Max. Image Resolution</b>	2048 x 1536
<b>Frame Rate</b>	60Hz: 20fps (2048 x 1536), 30fps (1920 x1080), 30fps (1280 x 720) 50Hz: 20fps (2048 x 1536), 25fps (1920 x 1080), 25fps (1280 x 720)
<b>Shutter Time</b>	1/25s ~ 1/100,000s
<b>Minimum Illumination</b>	0.07 Lux @ F1.2 (AGC ON), 0 Lux with IR
<b>Day &amp; Night</b>	Built-in Mechanical IR Cut Filter (ICR)
<b>Digital Noise Reduction</b>	3D DNR
<b>Wide Dynamic Range</b>	Digital WDR
<b>IR LED</b>	1 Matrix IR LED
<b>IR Distance</b>	100ft / 30m
<b>Lens Type</b>	2.8mm Fixed Lens / F2.0 (2048 x 1536 Angle of view: 86° / 1920 x 1080 Angle of view: 98.5°)
<b>Lens Mount</b>	M12
<b>Angle Adjustment</b>	Pan: 0°~360° ; Tilt: 0°~75° ; Rotation: 0°~360°
<b>Video Compression</b>	H.264 / MJPEG
<b>H.264 Codec Profile</b>	Main Profile
<b>Bit Rate</b>	32 Kbps ~ 12 Mbps
<b>Dual Stream</b>	Yes
<b>Image Settings</b>	Saturation, brightness, contrast adjustable through client software or web browser
<b>ROI</b>	Support
<b>BLC</b>	Yes, Zone Optional
<b>Network Storage</b>	NAS (iSCSI optional)
<b>Alarm Trigger</b>	Motion detection, Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception
<b>Protocols</b>	TCP/IP, HTTP, DHCP, DNS, DDNS, RTP, RTSP, PPPoE, SMTP, NTP, SNMP, HTTPS, FTP, 802.1x, Qos (SIP, SRTP, IPv6 optional)
<b>System Compatibility</b>	ONVIF, PSIA, CGI
<b>General Functionalities</b>	Flickerless, heartbeat, mirror, user authentication, video mask, watermark, reset
<b>Communication Interface</b>	1 RJ45 10M / 100M ethernet port and 1 RS-485 interface
<b>Power Source</b>	12 VDC ± 10%, PoE (802.3af)
<b>Power Consumption</b>	Max. 7W
<b>IP Rating</b>	IP66
<b>Operating Temperature</b>	-22°F ~ 140°F / -30°C ~ 60°C
<b>Humidity</b>	95% or less (non-condensing)
<b>Dimension</b>	5(Ø) x 4(H) inches / 126.7(Ø) x 102.1(H) mm
<b>Net Weight</b>	1.5 lbs / 0.67kg

\*Specifications and appearance are subject to change without notice