

NEOS PRO-IDR22L28SDA

2MP IR Ruggedized Camera with 2.8mm Lens

Main Feature:

- Sony Starvis Sensor
- Adaptive Streaming
- H.265 compression
- True WDR
- IVA
- NAS
- Higher Field of View
- Smart Streaming



Technical Specifications:

IMAGE SENSOR	
Resolution	2 MP (1920 x 1080)
Sensor Type and Size	1/2.8" SONY - CMOS 2MP Active Pixel Progressive Scan, Back Illuminated Image sensor (STARVIS Series)
LENS	
Minimum Illumination	Color - 0.01 Lux @ F1.0 (AGC ON) 0 Lux with Warm Light
Focal Length	2.8mm
Focus Range	0.5m to infinity
Field of View (FOV)	HFOV - 107.6° VFOV- 57° DFOV - 127.62°
Lens Mount	M12
Focus	Fixed focus
Aperture (F#)	F 1.6
Iris Type	Fixed
IR Range	Up to 30m
IR Led Wavelength	850nm
IR Switching	Auto/ Manual
DORI AS PER IEC 62676 - IV	D: 38 m, O: 16 m, R: 8m, I: 4 m

AUDIO INTERFACE

Built-in Microphone	Yes
Audio IN	1
Audio OUT	1x(3.5mm stereo female audio jack)
Two-way Audio	Supported
Audio Compression	G.726 and G.711μ
Alarm In	1
Alarm In	1

HARDWARE SPECIFICATIONS

SD Card	Up to 512GB
Camera Adjustment Angle	Pan: -30° to 30° Tilt: 10° to 90° Rotate: -175° to 175°

IMAGE AND VIDEO

No of Stream Profiles	4
Stream Profiles	Profile 1:- 1080p(2MP)/720p/D1/VGA/2CIF/CIF/QCIF upto @60 fps(H.265/H.264) Profile 2:- D1/VGA upto @30fps(H.265/H.264) Profile 3: 1080p(2MP)/720p/D1/VGA @8fps (MJPEG) or D1/VGA@15fps(H.264/H.265) Profile 4:1080p(2MP)/720p/D1/VGA @ 30 fps (H.265/H.264/MJPEG)
Available Resolutions	1920 x 1080, 720p, D1, VGA,2CIF, CIF
Max Resolution	1920 x 1080
Bitrate	128 kbps-16Mbps
Bitrate Type	CBR, VBR
Video Compression	H.265, H.264, MJPEG
Frame Rate	1-60fps
Shutter Speed	1/15s -1/1000000s
Adaptive Streaming	Yes
ONVIF Profiles	S, G, and T
Edge Recording	Yes (Only in NAS)
Alarm Recording	Pre and Post
Motion Recording	Yes
Time Triggered	Yes
Video Parameters	Snapshot, Region of Interest (ROI), BLC,HLC, Day/Night Settings (Auto/Manual)

Privacy Masks	8
WDR	True WDR (120dB)
SNR	> 70dB
Image Enhancement	Rotate mode/Saturation/Brightness/Contrast and Sharpness Adjustable by Client Software or Web browser
DNR	2D & 3D
Digital Zoom	16x
Video Analytics	Motion Detection, Tamper Detection, Trip/No Trip Detection, Object Intrusion/Zone Intrusion, Audio Exception

ALERTS

IP Conflict	Yes
Network Disconnect	Yes
Storage Full	Yes
Time Triggered	Yes

EVENTS AND ACTIONS

Upload Image	SD, NAS, SFTP
Upload Clip	SD, NAS, SFTP
Notifications	E-mail, SMS, TCP

PROTOCOLS SUPPORTED

Supported protocols	TCP/IP, HTTP, ARP, QoS, DHCP, DNS, DDNS, RTP, RTCP, RTSP, PPPOE, SMTP, NTP, HTTPS, TLS/SSL, SFTP, ICMP, IGMP, 802.1x, SNMP, UPnP, Bonjour
Web Viewer	Supported in IE 8.0-11.0, Firefox 15.0-47.0, Chrome 20.0-54.0
Browser	IE, Chrome, Mozilla

CYBER SECURITY

Secure boot	Yes
Signed firmware	Yes
Data Encryption	All data, including sensitive data, is encrypted with AES 256 and RSA 2048
IP Address Filtering	Yes
HTTPs Streaming	Yes, using TLS 1.2

Edge Data Encryption	Yes
Network Authentication	Yes, 802.1 x Network authentication
Secure Firmware Upgrade	Yes
Anti-roll back firmware	Yes
Web login Password protection	Yes
Unused debug interface protection	Yes

OPERATING PARAMETERS

Power Supply	12V, 2A
Power Consumption	5 W
Operating Humidity	Less than 95% RH (non-condensing)
Operating Temperature	-30°C to 70°C

PHYSICAL PARAMETERS

Communication interface	10Base-T/100BaseTX Ethernet (RJ-45)
Weight	700gms
Color	Infinity White
Dimensions	120.5x118.6x63.3 mm (L*W*H)
Storage	NAS, SD Card
Certifications	BIS

Contact Us

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