

NEOS PRO-IPS22-38X

2MP Pan-Tilt-Zoom Camera with 38x Optical Zoom

Main Feature:

- True WDR
- 300m IR Range
- H.265 Compression
- Low-Light Performance
- 38x Optical Zoom
- Intelligent Video Analytics
- 512GB In-built Storage
- 300 Presets



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: 0.03lux@F1.69, 0Lux with IR
Focal Length	4.4 mm - 169.4 mm
Focus Range	3m to infinity
Field of View (FOV)	HFOV - 65.66° (w) - 1.92° (t) VFOV - 39.43° (w) - 1.06° (t) DFOV - 72.78°(w)- 2.24° (t)
Focus	Automatic focus
Aperture (F#)	F 1.6 - F4.9
IR Range	300m
IR Led Wavelength	850nm
IR Switching	Auto/ Manual
DORI AS PER IEC 62676 - IV	WIDE: D: 60m, O: 24m, R: 12m, I: 6m TELE: D 2291m, O: 916m , R: 458m , I :229m

AUDIO AND ALARM

Audio IN	1x(Pheonix type connector)
Audio Output	1x(Pheonix type connector)
Audio Streaming	Two way Audio (full duplex)
Audio Compression	G.726 ,G.711 a-law and u-law
Alarm In	2 (Pheonix type connector)
Alarm Out	2 (Pheonix type connector)

HARDWARE SPECIFICATIONS

SD Card	Up to 512GB
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IMAGE AND VIDEO

No of Stream Profiles	4
Stream Profiles	Profile 1: 1920x1080p(2MP) @30fps (H.265/ H.264) Profile 2: D1 @30fps (H.265/H.264) Profile 3: 1080p(2MP)/720p/D1/2CIF/CIF up to 15 fps (H.264/H.265/MJPEG) Profile 4: 720p/D1/2CIF/CIF up to 15 fps (H.265/H.264/MJPEG)
Available Resolutions	1920 x 1080, 720p, D1, VGA, 2CIF, CIF
Max Resolution	1920 x 1080
Frame Rate	128kbps-16Mbps
Bitrate Type	CBR, VBR
Video Compression	H.265 (Baseline profile) H.264 (Baseline Profile) MJPEG
Bitrate	1-60fps
Shutter Speed	1/15s -1/1000000s
Optical Zoom	38x
Digital Zoom	16x
Adaptive Streaming	Yes
ONVIF Profiles	S, G, and T
Edge Recording	Yes
Alarm Recording	Pre and Post
Motion Recording	Yes
Time Triggered	Yes
Video Parameters	Snapshot, BLC,HLC, ROI, Day/Night Settings, Dynamic FPS
Privacy Masks	8

WDR	True WDR (120dB)
SNR	>70dB
Image Enhancement	Saturation/ Contrast/ Sharpness/Brightness/Auto Exposure/HVS- Forensics/ Smart IR
DNR	2D &3D
Video Analytics	Motion/No Motion Detection, View Tamper Detection, Trip/No Trip Detection, Object Intrusion/Zone Intrusion, Loitering, Missing/ Object Counting, Abandoned Object, Audio Exception, Alarm In
ALERTS	
IP Conflict	Yes
Network Disconnect	Yes
Storage Full	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, UDP, HTTP, HTTPS, DHCP, DNS, DynDNS, DDNS, RTP, RTCP, RTSP, PPPOE, SMTP, NTP, SNMP, FTP, TLS/SSL, SFTP, ICMP, IGMPv2 & v3, ARP, 802.1x, IPv4, IPv6, QoS Layer 3, DSCP, CIFS, SSH, UPnP, Bonjour
Browser	IE or Edge in IE Mode
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, 802.1x 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 (DC/AC)	24VDC 2.5A , AC(Optional)
Power Supply (POE+)	Yes
Power Consumption	Max 25W
Operating Humidity	90% or less
Operating Temperature	-30°C to 60°C
Storage Temperature	-30°C to 70°C

PHYSICAL PARAMETERS

Communication interface	1 RJ45 10M/100M self-adaptive Ethernet port
Weight	5.1kg
Color	Infinity White
Dimensions	Ø206.6mm x 329mm(Diameter x Height)
Storage	NAS, SD Card
Certifications	BIS

PAN AND TILT

Pan Range	360°
Pan Speed	Pan manual speed: 0.1°to 240°/s, pan preset speed: 240°/s
Tilt Range	-15° to 90° (auto-flip)
Tilt Speed	Tilt manual speed: 0.1° to 200°/s tilt preset speed: 200°/s
Presets	300
Patrol	8 patrols, up to 32 presets for each patrol
Pattern	4 pattern scans, record time over 10 minutes for each scan
Power Off Memory	Yes

Contact Us

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