

Nautilus PTZ

LZ-NDNC18X & LZN-NDNC30X

Rugged Pan/Tilt Camera Platform



Designed from the outset to support operation in harsh environments. The new Nautilus PTZ Camera achieves outstanding and ultra-reliable performance in an immensely rugged housing manufactured from die-cast aluminium. Each axis is driven directly without intermediate belts or gears by using a unique Brushless DC Motor digital servo drives to give a previously unattainable level of positional accuracy, repeatability, wide dynamic range and smoothness – this results in a product that believes military performance at commercial cost, with very long life leading to low cost of ownership.

A highly flexible platform accommodating a wide range from analogue to IP camera modules with up to 30x zoom, as well as a range of new thermal cameras. Optional infra-red and white light illumination are available - contact CBC for more information.

Key Features

- ▶ Die-cast aluminium housing
- ▶ Protected to IP68
- ▶ Direct drive, no backlash
- ▶ BLDC digital servo pan and tilt drive
- ▶ Wiper as standard
- ▶ Analogue & IP Versions
- ▶ Optically correct Flat window with wiper
- ▶ Outstanding accuracy and dynamic range

V1.01

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Rugged PTZ Camera

Specifications

Description / Model	LZ-NDNC18X	LZN+-NDNC30X
CAMERA MODULE	SD analogue colour day/night	HD colour day/night
Sensor	960H 1/4" Super HAD II CCD 670TVL	2.1 megapixel 1/2.8" CMOS
Resolution	670TVL	1920 x 1080p @ 25fps
Scanning system	Progressive scan	
Minimum Illumination	Colour: 0.6 Lux B/W: 0.01 Lux ICR on	Colour: 0.5 Lux B/W: 0.01 Lux ICR on
S/N ratio	50dB	52dB
ICR	Auto/manual	
WDR	Yes	
DNR	2D and 3D	3D
Lens	18:1, f = 4.1 to 73.8mm, F1.4 to F3.0	30:1, f = 4.3 to 129mm, F1.6 to F5.0
Angle of view - horizontal	48-2.8°	65.1-2.34°
Auto focus	Yes	
Exposure mode	Auto/manual	
Privacy masking	Yes	
BLC	On/off	
Mechanical		
Construction	Ruggedized construction in die cast aluminium	
Pan and tilt manual control speed	0.05 degree to 180 degrees/sec max (both axes)	
Pan and tilt movement	360 degrees continuous rotation in both axis	
Preset positions	250 with repeatable accuracy of >0.01°	
Tours	100 preset tours and 8 mimic tours	
Alarm I/O	8 alarm in 1 alarm out (only with Intelligent PSU)	
OSD	Time, date and title display	
Operating voltage	TBC	
Power consumption	TBC	
Operating temperature	-20° C to +60° C, 5% to 95% humidity	
Enclosure	Die-cast aluminium, colour RAL9002, or to meet customer's requirements, a range of scratch resistant windows to support thermal imager and visible light cameras.	
Wiper	Yes	
IP Rating	IP68	
Certification & Approvals	CE-EN50130-4, EN61000-3-2 & 3-3, EN55022, EN60950-1, UL, FCC part 15, IK10, IP – IEC60529, Vibration IEC60068-2-6, Shock IEC60068-2-7, Salt spray	
Dimension H x W x D	400 x 400 x 150mm, 200mm radius cyclinder 400mm tall	
Weight	8Kg Max	
Shipping dimensions H x W x D	TBC	
Shipping weight	TBC	
Encoder Options	N/A	FHD - IP
Video compression	N/A	H.264
Encoder output	N/A	1080p and D1
FPS	N/A	25/30
Number of streams	N/A	2
Protocol	N/A	TCP/IP, HTTP, DCHP, DNS, DDNS, RTP, RTSP, PPPoE, SMTP, NTP, UPnP, SNMP, FTP, QoS, HTTPS, IPv6
Security	Password protected	
ONVIF	N/A	ONVIF Profile S

NB. Specification subject to change without notification

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