



specialist equipment:

stainless steel



AISI 316 stainless steel construction

For highly aggressive environments

Housings rated to IP68

Pan & tilt head rated to IP67

Built entirely of AISI 304 or AISI 316, the NX series of specialist housings and pan & tilts has been meticulously researched and designed to provide optimum protection and reliability for marine, industrial and chemical applications where highly corrosive environments are an ever present threat to system integrity.

Fully supported by MAD's experienced after-sales team, together with our other ranges of heads, housings and accessories, there's now a watertight case for specifying, site-wide, all your ancillary equipment from single source...





specialist equipment:

stainless steel

common specification

Fabrication

Body: austenitic alloy stainless steel, corrosion and heat-resistant according to the following standards:

UNI 6900-71	X 2 Cr Ni Mo 17 12
AISI	316L
DIN 17006	X 2 Cr Ni Mo 18 10
N° WERKSTOFF	1.4404
AFNOR	Z2 CND 17-12
BSI	316 S 12

Screws: austenitic alloy stainless steel, corrosion and heat-resistant according to the following standards:

UNI 6900	X 5 Cr Ni Mo 1712
AISI	316
ISO quality	A4
Resistance class ISO	80

External body polishing

O-ring gaskets

12mm (0.47in) thick front and back flanges (NXM)

UNI: Ente Nazionale Italiano di Unificazione

AISI: American Iron and Standard Institute

DIN: Deutsche Industrie Normen

AFNOR: Association Française de Normalisation

BSI: Standardization

ISO: International Organization for Standardization

Compliance

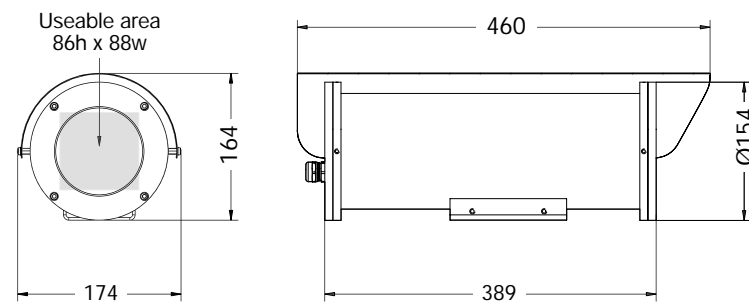
CE EN 61000-6-3, EN 60065, EN 50130-4

NXM housing IP68 EN 60529 IP66/IPx8 (5 Bar for 48hrs)

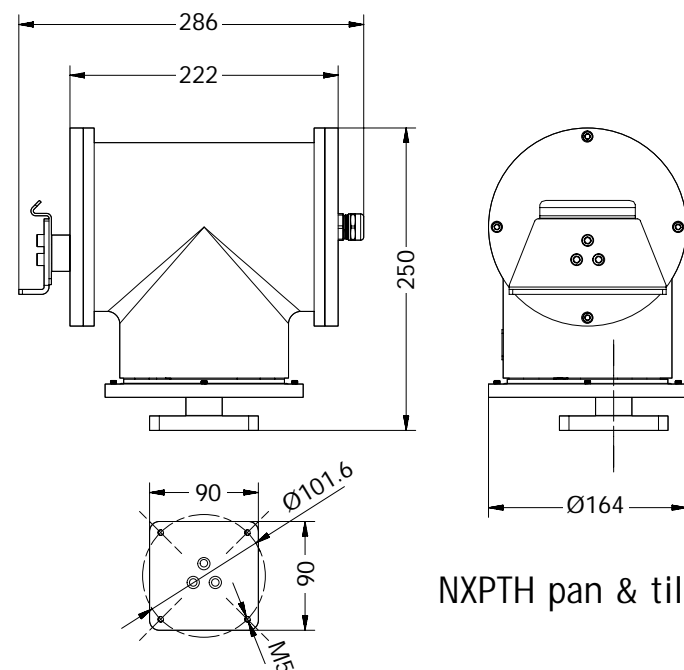
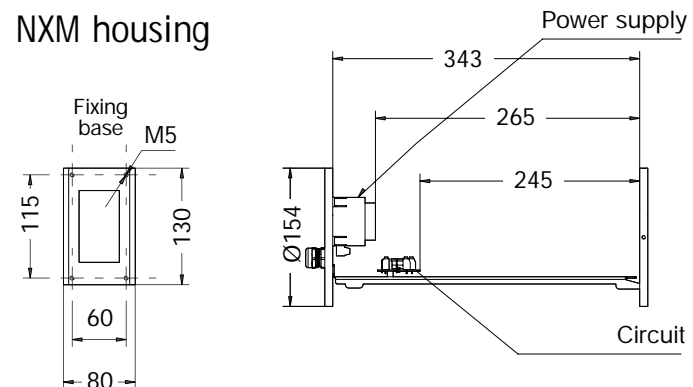
VIPNX wiper IP66

NXPTH pan & tilt IP67 EN 60529

AISI 316



NXM housing



NXPTH pan & tilt

Dimensions in mm



NXM housing

Submersible down to 50m and capable of withstanding temperatures as low as -50°C (with double heater), the IP68 rated, all stainless steel NXM is available with a wide range of options and accessories including: heaters, camera power supply, special bracketry and wiper/washers.

Gas cable glands	2 x PG13.5 nickel-plated brass	
Dimensions		
External	Ø 125mm (4.9 in) length 350mm (13.77in)	
Window	4mm (0.15in) thick, Ø 97mm (3.8in)	
Internal useable H x W	86 x 88mm (3.38 x 3.46in)	
Internal usable length...	343mm (13.5in)	
with Connection board...	265mm (10.4 in)	
and power supply	245mm (9.6 in)	
Heaters Ton 15°C ±3°C (59°F) Toff 22°C ±3°C (71°F)		
ONXMH1	IN 12VDC/24VAC	20W
ONXMH2	IN 115/230VAC	40W
Double Heater	IN 115/230VAC	80W
Camera power supply		
ONXPS1B	IN 230VAC, 50Hz	OUT 12VDC, 1A max
ONXPS2B	IN 230VAC, 50Hz	OUT 24VAC, 400mA max
Environment		
Submersible IP68	Down to 50m (164ft) (5 Bar pressure)	
Operating temperature	with heater	-20 to +50°C (-4 to +122°F)
	with double heater	down to -40°C (-40°F)

Wipers VIPNX1/VIPNX2

Material	AISI 316 stainless steel	
Dimensions	Ø100 x 169mm (3.9 x 6.6in)	
Weight	1.5kg (3.3lb)	
Connector	3+1 pins	
Electrical	VIPNX1	IN 230VAC, 50/60Hz, 12 W
	VIPNX2	IN 24VAC, 50/60Hz, 12 W

Washer pumps VIP5WAS/VIP25WAS/VIP25WASA01

VIP5WAS	Dimensions (WxHxL): 217 x 272 x 254mm (8.5 x 10.7 x 10in)
	Reservoir capacity: 5 l (1.3 gal) Delivery head: max 5 m (16 ft)
Electrical:	VIP5WAS01: IN 230VAC, 12W
	VIP5WAS02: IN 24VAC, 12W
VIP25WAS	Dimensions (WxHxL): 301 x 458 x 345 (11.8 x 18 x 13.5 in)
	Reservoir capacity: 25 l (6.6 gal) Delivery head: max 5 m (16 ft)
Electrical:	VIP25WAS01 IN 230VAC12W
	VIP25WAS02 IN 24VAC12W
VIP25WASA01	Dimensions (WxHxL): 710 x 300 x 270 (28 x 12 x 11 in)
	Reservoir capacity: 25l (6.6gal) Delivery head: max 30m (98.5ft)
Electrical:	IN 230VAC, 600W



NXPTH pan & tilt

Originally developed for offshore applications, the precision built, IP67 rated, stainless steel NXPTH pan & tilt is the perfect platform for reliable, virtually maintenance-free operation in highly corrosive environments.

Dimensions	164 x 250 x 280mm (6.4x9.8x11in)
Maximum load	40 kg (88 lb) (balanced)
Movement	Pan 0-340° Tilt 0-340°
Speed	Pan 5°/s Tilt 6°/s
Dynamic Torque	Pan 35Nm Tilt 60Nm
Static Torque	Pan 12Nm Tilt 24Nm
Backlash	Pan 0,1° Tilt 0,16°
Cable glands	2 x PG13.5 nickel-plated brass
Power supply	IN 24/230VAC, 50/60Hz
Motor consumption	Horizontal/Vertical 13W
Preset potentiometers	Standard Horizontal and Vertical
Operating temperature	-20 to +50°C (-4 +122°F)
Resistance	IP67 Salt-air fog



NXM housing fitted with optional wiper VIPNX

bracketry

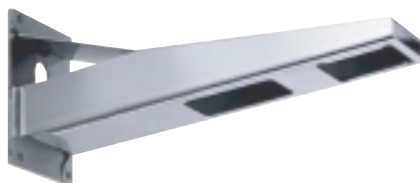
Brackets are made from thick gauge AISI 316 stainless steel.

NXWBS



Wall bracket with swivel mount for NXM housing.

NXWBPTH



Wall bracket for NXPTH pan & tilt.

NXCW



NXCOL



Corner and pole mount adaptors compatible with the above brackets.

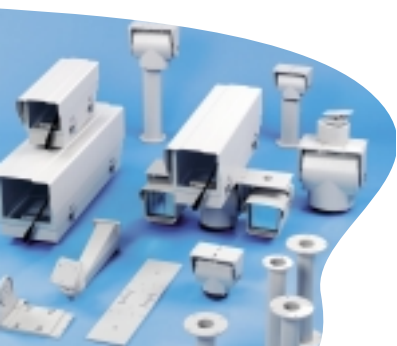
NXFWBT



Parapet mount for NXPTH pan & tilt. Can be combined with NXWBPTH bracket

other stainless steel products

Other products in the NX series include the IP67 rated NXW special liquid-cooled housing in AISI 316 and the large, 500mm long IP54 rated NXJ housing in AISI 304 for zoom lenses. Both have a wide range of options and accessories. Call or email for details.



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MAD pursues a policy of continuous development. Specifications may therefore be changed without notice.

