NXPTZHD
HD PTZ CAMERA FOR ONSHORE/OFFSHORE, MARINE AND INDUSTRIAL AREAS

IP66 PROTECTION | IP68 PROTECTION | IP69 PROTECTION | TYPE 4X PROTECTION | WIPER | IP | INTEGRATED CAM | ONVIF | S

MAIN FEATURES

In electropolished and silicon micro shot peened AISI 316L stainless steel

Camera Full HD 1080p, 30x, 60fps

Minimum Illumination:

- Colour: 1.4lx, F1.6 AGC on, 1/30s 50 IRE (Normal mode)
- Colour: 0.35lx, F1.6 AGC on, 1/30s, 50 IRE (High Sensitivity mode)
- B/W: 0.05lx, F1.6 AGC on, 1/30s, 50 IRE (Normal mode)
- B/W: 0.013lx, F1.6 AGC on, 1/30s, 50 IRE (High sensitivity mode)

Day/Night (Auto ICR: automatic removal of IR filter)

Video compression H.264/AVC and MJPEG

Certified ONVIF, Profile S

Up to 4 simultaneous video streams

Variable speed: 0.1°-100°/s Pan and Tilt

Position accuracy: 0.02°

Pre-wired multipolar cable (3m (118in))

Integrated wiper

Total control of the auxiliary functions through the PTZ assistant

Operating temperature: -40°C / +60°C (-40°F / +140°F)

Weatherproof standard: IP66, IP68, IP69

NXPTZHD

DESCRIPTION

The NXPTZHD is an exceptional PTZ camera perfect for heavy-duty tasks and ideal to operate in the harshest and most corrosive environments, such as industrial and offshore/onshore marine applications.

This PTZ camera ensures long-term performance, with low maintenance and is made entirely out of AISI316L stainless steel. Its resistance to corrosion is not only guaranteed, but is also enhanced by way of polishing processes.

The Full HD Day/Night camera, available in 30x zoom, 1080p, accurately identifies the details of a scene delivering from 2 to 4 H.264/AVC or MJPEG video streams simultaneously, up to a total of 20Mbits, depending on system configuration.

The flexible operator control of Pan/Tilt/Zoom functions allows the images transmission over Ethernet with H.264/AVC and MJPEG compression, certified ONVIF, Profile S.

The Videotec's PTZ ASSISTANT plug-in software supports any VMS with the control of all special functions such as wiper and washer pump.

An equally noteworthy point is that the IP66/IP68 ratings guarantee the complete protection against harsh weather and the immersion in up to 1 metre of water for 2 hours. Moreover the IP69 rating allows the device to be cleaned with high pressure and high temperature water jets.

The PTZ HD camera is always supplied with integrated wiper; wide choice of tanks with washer pump available with different capacities and delivery heights.

TECHNICAL DATA

GENERAL

AISI 316L stainless steel construction

Electropolished and silicon micro shot peened external surfaces

Dynamic positioning control system

MECHANICAL

Pre-wired multipolar cable (3m (118in))

Horizontal rotation: 360° continuous

Vertical rotation: from -90° up to +90°

Horizontal speed (variable): from 0.1°/s up to 100°/s

Tilt speed (variable): from 0.1°/s up to 100°/s

Accuracy of preset positions: 0.02°

Integrated wiper

Unit weight: 22kg (44lb)

ELECTRICAL

Power supply/Current consumption:

- 230Vac, 0.5A max, 50/60Hz
- 24Vac, 5A max, 50/60Hz
- 120Vac, 1A max, 50/60Hz

Power consumption:

- 120W max

I/O alarm card

- Alarm inputs: 1
- Relay outputs: 1 (1A, 30Vac/60Vdc max)

VIDEO

Compression: H.264/AVC, MJPEG

2 independent video streams Full HD or 4 independent video streams depending on the configuration

Image resolution: from FullHD to 352x240 in 18 steps

Selectable frame rate from 1 to 60 images per second (fps)

Web Server

Certified ONVIF, Profile S

NETWORK

Connection Ethernet port LAN 10/100T

NETWORK PROTOCOLS

- Protocol: ONVIF, Profile S
- Streaming: RTSP, RTCP, RTP
- Device configuration: TCP/IPv4-IPv6, UDP/IPv4-IPv6, HTTP, NTP, DHCP, WS-DISCOVERY, QoS, IGMP (Multicast)

ENVIRONMENT

Indoor/Outdoor

Operating temperature: from -40°C (-40°F) up to +60°C (140°F)

CERTIFICATIONS

Electrical safety (CE): EN60950-1, IEC60950-1

Electromagnetic compatibility:

- CE: EN50130-4, EN55022 (Class A), EN55032 (Class A), EN61000-6-4
- FCC: Part 15 (Class A)
- ICES-003 (Class A)

Outdoor installation (CE): EN60950-22, IEC 60950-22

IP protection degree: EN60529 (IP66, IP68, IP69)

cULus Listed, TYPE 4X

EAC certification

CAMERA

Day/Night Full HD 30x

Image Device: 1/2.8 type Exmor™ CMOS sensor

Effective Pixels: approx. 2.38 Megapixels

Minimum Illumination, color (ICR-OFF):

- 1.4lx, 1/30s, 50 IRE (Normal mode)
- 0.35lx, 1/30s, 50 IRE (High sensitivity mode)
- 0.19lx, 1/3s, 50 IRE (Normal mode)
- 0.05lx, 1/3s, 50 IRE (High sensitivity mode)

Minimum Illumination, B/W (ICR-ON):

- 0.05lx, 1/30s, 50 IRE (Normal mode)
- 0.013lx, 1/30s, 50 IRE (High sensitivity mode)
- 0.002lx, 1/3s, 30 IRE (High sensitivity mode)

Lens: f=4.3 mm (wide) ~ 129.0 mm (tele), from F1.6 to F4.7

Zoom: 30x (360x with digital zoom)

Horizontal Viewing Angle: from 63.7° (wide end) up to 2.3° (tele end)

Minimum object distance: from 10mm (wide) up to 1200mm (tele)

Electronic Shutter: 1/1 to 1/10000 s, 22 steps

White balance: Auto, ATW, Indoor, Outdoor, Outdoor Auto, Sodium vapor lamp (Fix, Auto, Outdoor Auto), One-push, Manual

Gain: Auto, Manual, Gain Limit (from 3dB up to 43dB, steps: 3dB)

Wide Dynamic Range: On/Off/Visibility enhancer, Light level, Brightness compensation selection, Compensation level

Focus System: Auto (Sensitivity: Normal, Low), One-push AF, Manual, Focus compensation with ICR On, Interval AF, Zoom trigger AF

Picture Effects: E-flip, Mirror image, Color enhancement

Exposure Control: Auto, EV Compensation, Manual, Priority (Shutter priority, Iris priority), Brightness, Slow AE

S/N Ratio: more than 50dB

Wide-D (wide dynamic range): 130dB

De-fog: On/Off

ACCESSORIES

WASPT0V5L5M00	Water tank 5l (1 gal), pump with delivery up to 5m (16ft), IN 230Vac-24Vac-120Vac
WASPT0V23L5M00	Water tank 23l (6 gal), pump with delivery up to 5m (16ft), IN 230Vac-24Vac-120Vac
WASPT3V23L30M00	Water tank 23l (6 gal), pump with delivery up to 30m (98ft) with water floating, IN 120Vac
WASPT1V23L30M00	Water tank 23l (6 gal), pump with delivery up to 30m (98ft) with water floating, IN 230Vac
WASPT0V23L11M00	Water tank 23l (6 gal), pump with delivery up to 11m (36ft) with water floating, IN 230Vac-24Vac-120Vac

BRACKETS AND ADAPTORS

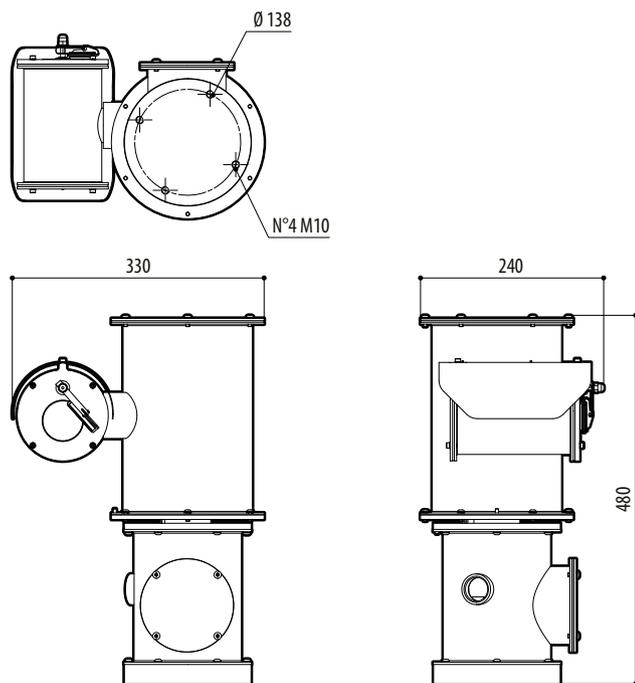|	
NXPTZWB	AISI 316L stainless steel wall bracket
NXPTZCOL	AISI 316L stainless steel pole adapter module
NXPTZTW	AISI 316L stainless steel parapet or ceiling mounting bracket
NXPTZCW	AISI 316L stainless steel corner adapter module

PACKAGE

Model Number	Weight	Dimensions (WxHxL)	Master carton
NXPTZHD1FVW0Z00A (21x12x19in)	26.5kg (58lb) -		54x31x49cm

VIDEOTEC VIDEO SECURITY PRODUCTS

NXPTZHD - CONFIGURATION OPTIONS

	Voltage						Video Output	
NXPTZHD	**1** 230Vac	**F**	Day/Night camera 30X zoom, FullHD	**V**	With alarm board	**W**	With wiper, 1 input, 1 output	**0**	**Z**	IP H.264/AVC, Protocol ONVIF Profile S	**00A**
	2 24Vac							
	3 120Vac							

TECHNICAL DRAWINGS

Sizes in millimeters.

NXPTZHD