



EXTCAM2000 EXPLOSION PROOF THERMAL CAMERA

FEATURES

- Electropolished AISI 316L stainless steel explosion proof
- Certifications for use in Zone 1 and 2, Group IIC T6 (Gas), and in Zone 21 and 22, (Dust)
- Multiple field of view options
- 324 x 256 pixel resolution

KEY BENEFITS

- Durable, low maintenance housing
- Certified for environments with combustible dust and gases
- High quality, thermal imaging video
- Configurable to precise application requirements
- Continuous temperature monitoring of remote assets

The EXTCAM2000 explosion-proof thermal camera delivers high performance video monitoring for refineries, gas pipelines, offshore platforms, industrial processes and other industries where potentially explosive atmospheres may exist.

High quality imaging is made possible by the configurable lens and resolution options. The video is transported over an IP based Ethernet network.

TECHNICAL SPECIFICATIONS

SPECIFICATIONS	
IMAGING PERFORMANCE	
Field of View, focal length	TL01/TS01 = 25° x 19°, 13mm, 324 x 256 pixels TL02/TS02 = 45° x 35°, 7.5mm, 324 x 256 pixels TL03/TS03 = 35° x 27°, 9mm, 324 x 256 pixels TL04/TS04 = 17° x 13°, 19mm, 324 x 256 pixels TL05/TS05 = 13° x 10°, 25mm, 324 x 256 pixels VL01/VS01 = 25° x 20°, 25mm, 640x512 pixels VL02/VS02 = 45° x 37°, 13mm, 640x512 pixels VL03/VS03 = 32° x 26°, 19mm, 640x512 pixels VL04/VS04 = 18° x 14°, 35mm, 640x512 pixels VL05/VS05 = 12.4° x 9.9°, 50mm, 640x512 pixels
Resolution	336 x 256 pixels
Detector Type	Uncooled VOx Microbolometer
Pixel Pitch	25µm
Scene Range (High Gain)	-25° C to 135° C
Scene Range (Low Gain)	-40° C to 550° C
Time to Image	<4.0secs
Video Compression	H.264
NETWORK	
Interface	Pan/Tilt Housing: 10/100TX, RJ45 Fixed Housing: 100FX, LC or 10/100TX, RJ45
Security	Password Protected
Protocols	IPv4/v6, DHCP, HTTP, UDP, RTP/RTSP, UPnP, NTP, ICMP
Software Interface	Web Server
THERMAL	
Spectral band	7.5 to 13.5 um
Sensitivity	0.1° C
Frame rate	FV0x = 30Hz, FS0x = 7.5Hz

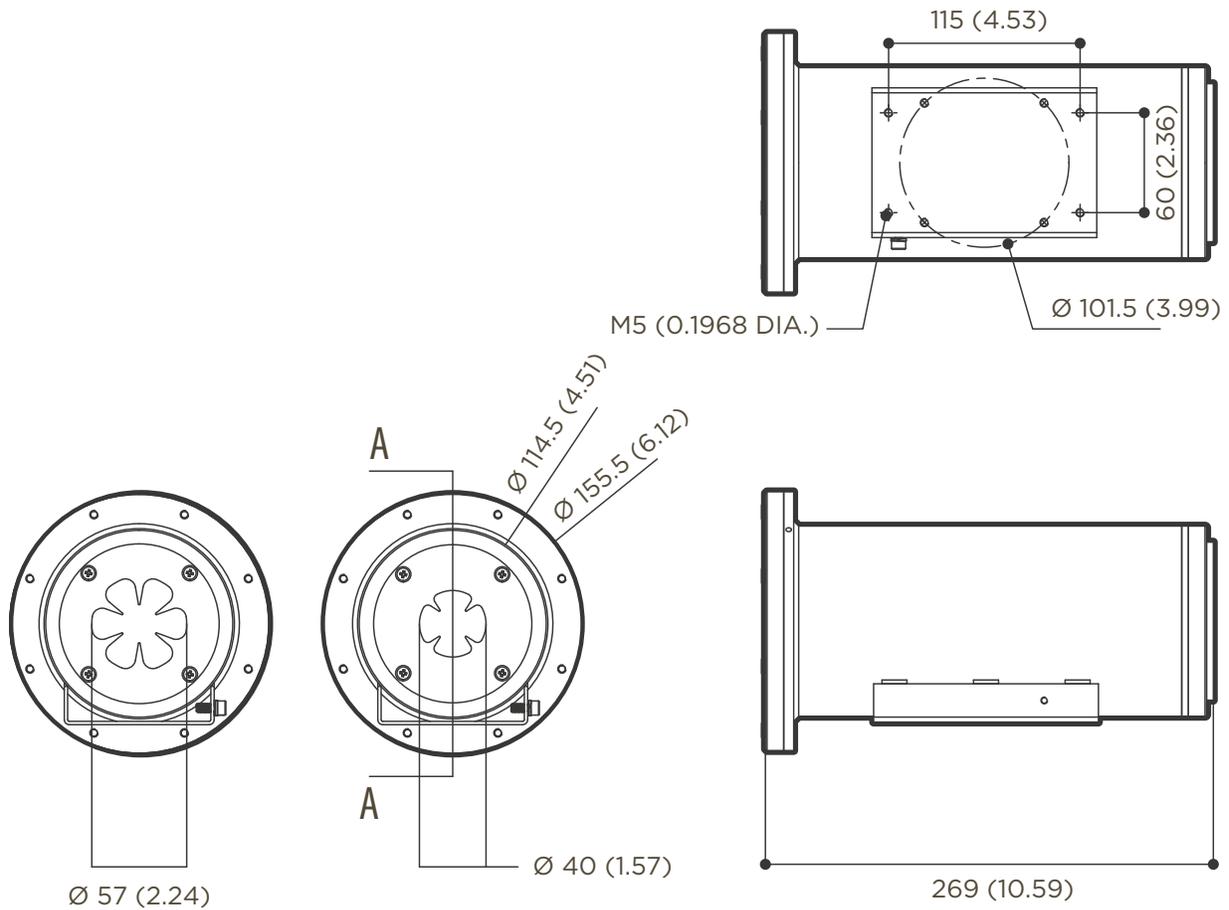
ACCESSORIES

SWI PART NUMBER	WASHER PUMP WITH STAINLESS STEEL PRESSURIZED TANK AND INTEGRATED EX-PROOF SOLENOID VALVE
EXA-WASEX2T4AT	Tank 10l with integrated pump controlled by ATEX Ex II 2 GD Exd IIC T4 Gb, Ex tb IIIC T130 °C Db certified solenoid valve, delivery head up to max 20m (66ft), IN 24Vac/dc
EXA-WASEX2T4GOR	Tank 10l with integrated pump controlled by EAC Ex d IIC T4 certified solenoid valve, delivery head up to max 20m (66ft), IN 24Vac/dc
EXA-WASEX2T4IN	Tank 10l with integrated pump controlled by INMETRO Exd IIC T4 Gb IP66, Ex tb IIIC t135 °c Db IP66, certified solenoid valve, delivery head up to max 20m (66ft), IN 24Vac/dc

SWI PART NUMBER	BRACKETS & ADAPTERS
NXWBS1	AISI 316L stainless steel wall bracket with joint
MHXWFWCA	AISI316L stainless steel ball joint
NXFWBT	AISI 316L stainless steel parapet mounting bracket
NXCOL	AISI 316L stainless steel pole adapter module
NXCW	AISI 316L stainless steel corner adapter module

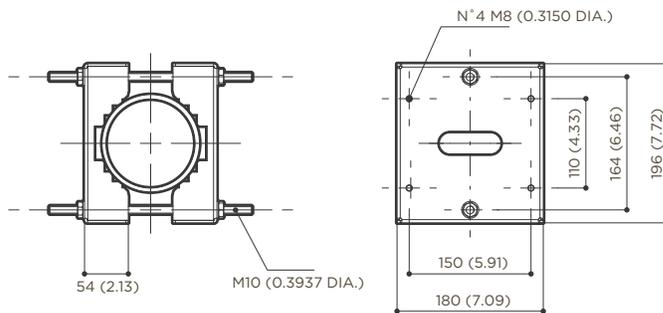
SWI PART NUMBER	CABLE GLANDS FOR EX-PROOF PRODUCTS
EXA-OCTEX3/4C	Cable gland in nickel-plated brass with gasket EX 3/4" NPT, unarmoured cable IECEX-ATEX-EAC. CSA listed for Canada and US
EXA-OCTEXA3/4C	Cable gland in nickel-plated brass with gasket EX 3/4" NPT, armoured cable IECEX-ATEX-EAC. CSA listed for Canada and US
EXA-OCTEXB3/4C	Barrier cable gland in nickel-plated brass 3/4" NPT, unarmoured cable IECEX-ATEX-EAC. CSA listed for Canada and US
EXA-OCTEXBA3/4C	Barrier cable gland in nickel-plated brass 3/4" NPT, armoured cable IECEX-ATEX-EAC. CSA listed for Canada and US
EXA-OCTEX3/4	Cable gland in nickel-plated brass with gasket EX 3/4" NPT, unarmoured cable ATEX
EXA-OCTEXA3/4	Cable gland in nickel-plated brass with gasket EX 3/4" NPT, armoured cable ATEX
EXA-OCTEXB1/2C	Barrier cable gland in nickel-plated brass EX 1/2" NPT, unarmoured cable IECEX-ATEX-EAC. CSA listed for Canada and US
EXA-OCTEX1/2C	Cable gland in nickel-plated brass EX 1/2" NPT, unarmoured cable IECEX-ATEX-EAC with gasket from 3 to 8mm (0,12 to 0.31in)
EXA-OCTEXS1/2C	Cable gland in nickel-plated brass EX 1/2" NPT, unarmoured cable IECEX-ATEX-EAC with gasket from 7.5 to 11.9mm (0,3 to 0,47in)
EXA-OCTEX1/2-3/4C	Cable glands reduction in nickel-plated brass 3/4" - 1/2" NPT IECEX-ATEX-EAC
EXA-OCTEXP3/4C	Conduit cable gland nickel-plated brass 3/4" NPT IECEX-ATEX. CSA listed for Canada and US
EXA-OEXPLUG3/4	Plug EX 3/4" NPT IECEX-ATEX-EAC

OVERALL DIMENSIONS Unit: mm (inch)



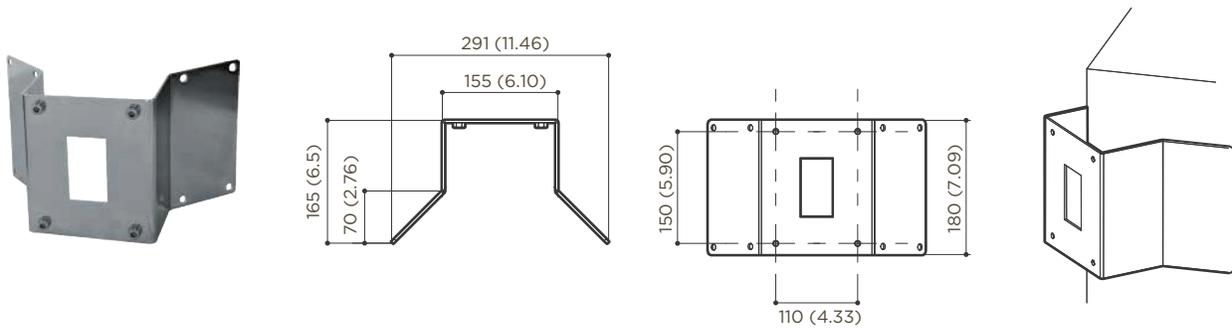
MOUNTING ACCESSORIES Unit: inch (mm)

Pole Mount Adapter



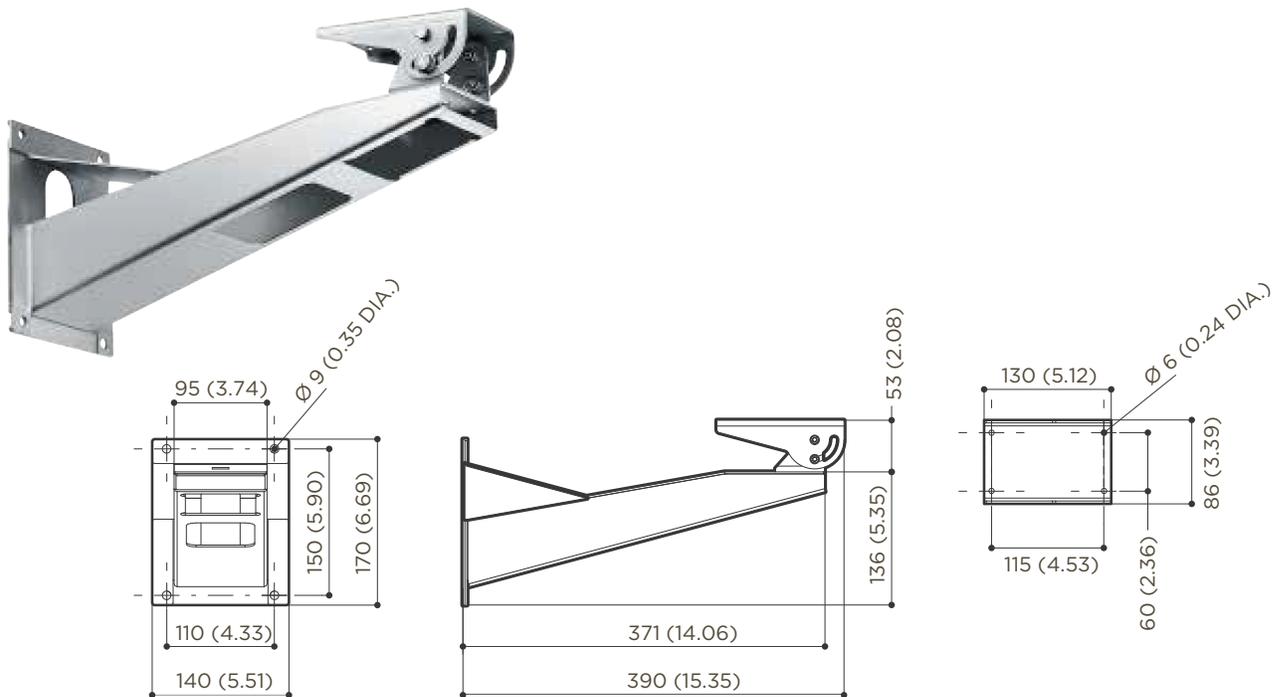
PART # POLE MOUNT ADAPTER	
NXCOL	Made of AISI 316L electropolished stainless steel
	For pole diameters: from 110mm (4.3in) up to 150mm (5.9in)
	Load Rating: 50kg (110lbs)
	Dimensions: 180x196mm (7.0x7.7i)

Corner Mount Adapter



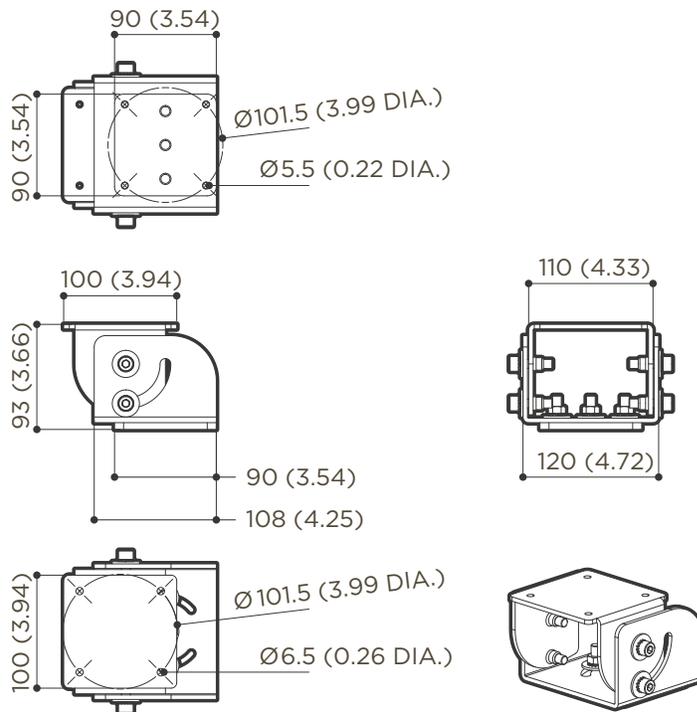
PART #	CORNER MOUNT ADAPTER
NXCW	Made of AISI 316L electropolished stainless steel
	Load Rating: 50kg (110lbs)
	Dimensions: 180x291mm (7x11.5in)

Wall Mount Bracket



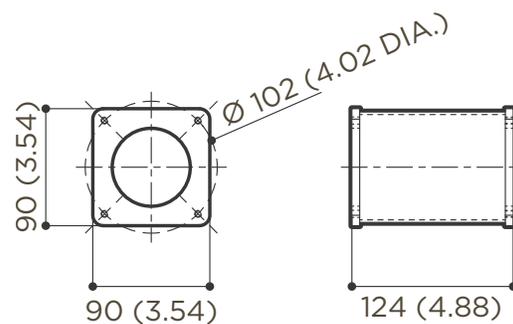
PART #	WALL MOUNT
NXWBS1	Made of AISI 316L electropolished stainless steel
	Load Rating: 45kg (99lb)
	Dimensions: 371x186mm (14.6x7.3in)
	Suitable for: NXCOL, NXCW

Parapet Mounting Bracket



PART #		PARAPET MOUNTING BRACKET
MHXFWCA		Made of AISI 316L electropolished stainless steel
		Load Rating: 40kg (88lb)
		Dimensions: Ø 101.6mm (4in)
		Compatible with the bracket: NXFWBT

Extension Bracket for Parapet Mounting



PART #		PARAPET MOUNTING BRACKET
NXFWBT		Made of AISI 316L electropolished stainless steel
		Load Rating: 70kg (154lb)
		Height: 124mm (4.9in)
		Suitable for MHXFWCA ball joint
		Suitable to MVX housings only if coupled with MHXFWCA joint

CONFIGURATION



BASE UNIT	EXPLOSION PROOF, STAINLESS STEEL, HIGH-DEFINITION FIXED CAMERA
EXTCAM2000	Thermal Camera in Explosion Proof Housing
Power Supply	
24	24VDC
FIELD OF VIEW	
TS01	25° x 19° Field of View
TS02	45° x 35° Field of View
TS03	35° x 27° Field of View
TS04	17° x 13° Field of View
TS05	13° x 10° Field of View
MOUNTING ARM	
E09	Wall Mount Bracket for EX Housing
CABLE	
CL05	5 feet of communications and power cable
CL10	10 feet of communications and power cable
CL30	30 feet of communications and power cable
CL45	45 feet of communications and power cable



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