

Applications:

Oil & Gas Platforms
FPSOs
LPG/LNG Vessels
Offshore Installations



External Marine Fixed & PTZ Cameras – Ex Certified HAZARDOUS AREA ATEX & IECEx CAMERAS – “IH” RANGE

ATEX / IECEx certified	Fixed & Pan/Tilt/Zoom units with wiper	IP66 & IP68 Rated
1080p @ 30fps HD IP 30x option	36x SD analogue or IP options	LWIR thermal option
Thermostatic window demister	DNV Type Approval	ONVIF compliant (IP options only)

The Imenco "IH" Range of cameras offers unprecedented performance and are developed for use in hazardous area applications. The IH range of fixed and PTZ Ex Certified CCTV cameras are designed to offer the best possible balance of optical performance and environmental protection. The camera bodies are constructed from the highest grade, electro-polished 316L stainless steel, equipped with integrated wiper, and are capable in operating in temperature ranges from -55°C to +70°C.

The IH range comes with a host options that optimize the camera's suitability for most extreme applications. Each camera head comes complete with a 316L stainless steel mounting bracket, Ex junction box & 3m cable tail.

The High Definition (HD) IP option uses an advanced 1/2.8" CMOS visible sensor with exceptional imaging performance. It offers 30x optical zoom, with 12x digital zoom and low light sensitivity of 0.35 Lux in colour day mode, as well as auto ICR switching to night mode for extended sensitivity with monochrome imaging down to 0.01 Lux at full frame rate.

The HD IP camera produces video streams up to full 1080p HD resolution at 30fps, in H.264 compression format. ONVIF compliance ensures seamless integration with other compliant networks and Video Management Software (VMS).

A Standard Definition (SD) visible sensor option is also available featuring 36x optical zoom, with 12x digital zoom and analogue composite, or ONVIF compliant IP, signal formats.

Available Options

- Wash system
- Continuous rotation
- Internet Protocol (IP)
- Thermal Imaging

Contact us for additional information or to get a quotation. Send an e-mail to systems.uk@imenco.com or find personal contact info on our website.

imenco.com

MARINE **CCTV** RANGE
BY IMENCO

IH Range

TECHNICAL SPECIFICATIONS

Class	Fixed SD	PTZ SD	Fixed HD	PTZ HD
Optical Zoom	36x	36x	30x	30x
Resolution	550TVL	550TVL	HD 1080p	HD 1080p
Image Format	PAL	PAL	HD	HD
Image Sensor	1/4" EXview HAD CCD	1/4" EXview HAD CCD	1/2.8" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS
Lens	f = 3.4 to 122.4mm F1.6 to 4.5	f = 3.4 to 122.4mm F1.6 to 4.5	f = 4.3 to 129mm F1.6 to 4.7	f = 4.3 to 129mm F1.6 to 4.7
Angle of View (H)	57.8° (W) to 1.7° (T)	57.8° (W) to 1.7° (T)	63.7° (W) to 2.3° (T)	63.7° (W) to 2.3° (T)
Minimum Illumination	Day mode (colour): 1.4 lux typical Night mode (mono): 0.01 lux typical	Day mode (colour): 1.4 lux typical Night mode (mono): 0.01 lux typical	Day mode (colour): 0.35 lux typical Night mode (mono): 0.013 lux typical	Day mode (colour): 0.35 lux typical Night mode (mono): 0.013 lux typical
Video Output	Composite or IP	Composite or IP	HD-IP	HD-IP

Electrical

Power Requirements 24V ac 50/60hz or 24Vdc, 20VA Max Fixed Camera, 100VA Max PTZ Camera
Configuration Via On-screen Menu
Electro-Magnetic Compatibility CE Marking, BSEN 55022 as part of EN 61000-6-3 2001 Emission and EN 61000-6-1 2001 Immunity
Network (IP options) ONVIF profile S, 10/100BASE-T, UDP, TCP/IP, RTP/RTSP, SNMP, IGMP, HTTP, NTP

Environmental

Housing IP66 & IP68
Temperature Operating: -55°C to +70°C

Certification

ATEX / IECEx: ATEX II 2GD, Ex d IIC Gb; Ex tb IIIC Db; T4 / T5 / T6 US Class / Division: Class I, Div 1, Groups A, B, C, D; Class II, Div I, Groups E, F, G; T4 / T5 / T6 US Class / Zone: Class I, Zone 1, AEx d IIC Gb; Zone 21, AEx tb IIIC Db; T4 / T5 / T6 CAN: Ex d IIC Gb; Ex tb IIIC Db; Class II, Div 1, Groups E, F, G, Class III, Div 1; T4 / T5 / T6 DNV Type Approval, CE

Mechanical

Tilt 180°, -0° to 4.5°/second
Mechanical Limits, Programmable Soft Spots, and Pre-set Positioning
Tilt (Variable Speed) 0° to 21°/sec
Pan 360°, 0° to 9°/second
Mechanical Limits, Programmable Soft Spots, and Pre-set Positioning
Pan (Variable Speed) 0° to 42°/sec
Presets 127
Tours 16 Preset Tours
Protocols Pelco P, Pelco D, Other industry standards are available
Dimensions Fixed: 180 x 240 x 310mm
PTZ: 380 x 310 x 352mm
Junction Box: 268 x 86 x 368mm
Weight Fixed: 8kg (excluding bracket)
PTZ: 25kg (excluding bracket)
Junction Box: 5kg
Standard Housing High Grade, Electro Polished 316L Stainless Steel, integrated wiper
Window Material Optically Flat Glass
Cable Tail LSZH Composite CCTV Cable

Specification subject to change without any further notice

Ex Certified Cameras_IH_Datasheet_RevB

Contact us for additional information or to get a quotation. Send an e-mail to systems.uk@imenco.com or find personal contact info on our website.

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IH RANGE ORDERING CODE CONFIGURATOR

		STANDARD CODES							
		EXAMPLE	IH	-	HDIP	-	30	-	PT
PRODUCT RANGE									
IH	EXTERNAL MARINE HAZARDOUS AREA Ex CERTIFIED CAMERA								
SIGNAL INTERFACE									
PAAN	PAL ANALOGUE STANDARD DEFINITION (SD)								
PAIP	PAL IP STANDARD DEFINITION (SD)								
NTAN	NTSC ANALOGUE STANDARD DEFINITION (SD)								
NTIP	NTSC IP STANDARD DEFINITION (SD)								
HDIP	HIGH DEFINITION IP (HD)								
OPTICAL ZOOM RANGE, VISIBLE SENSOR									
30	30x OPTICAL ZOOM (HD ONLY)								
36	36x OPTICAL ZOOM (SD ONLY)								
CAMERA TYPE									
PT	PAN & TILT								
F	FIXED								

EXAMPLE: **(SHOWN ABOVE)** WHICH SPECIFIES IP, HIGH DEFINITION, 30x OPTICAL ZOOM, PAN & TILT