ON DECK BOP (BLOW OUT PREVENTER) HDIP INSPECTION SYSTEM 0553-6000

- 3MP Camera
- 30x optical / 16x digital zoom
- Integrated GUI Control Solution
- Compact Peli-Case
- Stainless Steel Camera Housing
- DNV Marine Type Approved
- Rugged Deployment Frame

The Imenco 0553-6000 BOP HDIP Inspection System consists of a Surface Control Unit (0553-6010), Cable Assembly (0553-6003) and Running Tool with PTZ Camera (0553-6030). This High-Definition portable CCTV system has been designed for routine inspection of BOP valve stacks, whilst the BOP is on the surface & prior to drilling operations, or during repair and maintenance periods.

The Galvanised steel running tool with centralising fins and protective guard is lowered through the BOPs Wellbore (via an external lifting wire), whilst the rugged Imenco NJORD External Compact DNV PTZ Camera with Illuminators allows for a High-Definition visual inspection of the ram seals, annular seals, ram block and to inspect the general condition of the bore and side outlets.

The NJORD External Compact Marine PTZ Camera with Illuminators is manufactured with a 316 Stainless Steel housing and polycarbonate window, making it suitable for operation in the harshest of marine environments. The camera utilises a 3MP CMOS sensor with a 30:1 optical zoom range and LED illuminators, making it ideally suited to high-definition close-up inspection tasks.

A non-load bearing control cable of up to 100 metres in length can be supplied for connecting the camera to the HDIP Surface Control Unit.

The rugged HDIP Portable Surface Control Unit has been designed for use in industrial environments where dirt & dust, grease and splashing water may be present. Integrated into a Storm series Peli-case, this portable & rugged surface control unit features an integrated 15.6" touch screen monitor and two-axis joystick allowing for control of camera functions including pan and tilt control, display, local recording to HDD, and export of live video via Ethernet or USB.

The rugged HDIP Portable Surface Control Unit utilises a Windows based operating system which facilitates comprehensive control of the pre-configured Video Management Software.

For further information, email
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Applications
- BOP Inspection
- Oil & Gas Platforms
- Offshore Installations

Technical Specifications:
0553-6030 Camera & Running Tool

Performance, Electrical & Networking	
Sensor Type	1/2.8" Low Light CMOS, 3 Megapixels effective, true ICR
Resolution	Up to 2048X1536 (3MP) @ 30fps, also 1920x1080 @ 30fps (full 1080p HD)
Sensitivity	Colour: 0.01Lux (F1.2); Monochrome: 0.0001 Lux (F1.2) (AGC On)
Video Compression	H.265, H.264, MJPEG
Zoom	Optical 30:1, 4.5mm to 135mm / Digital 16:1
Horizontal FOV in air	59.8° (wide) to 2.3° (tele)
Networking	10/100 Mbps Ethernet, ONVIF support & Milestone XProtect® compatible
Power	24VDC, 90W (max consumption with illuminators active)
Environmental	
Approvals	DNV Marine Type Approval to EN60945 & IACS E10, CE, ROHS, LVD
Camera Housing	IP67 and IP66
Temperature	Operating: -40°C to +70°C Dry Heat, IEC 60068-2-2 Storage: -40°C to +70°C, IEC 60068-2-1
Vibration	IEC 61068-2-6 test Fc, 1mm peak 2 to 13.2Hz, 0.7g 13.2 to 100Hz
Shock	30g, 25ms, shock handling test Structured Shock Drop Test, 327g peak, 8ms pulse (remains captive, non-operational)
Salt Mist	IEC 61068-2-52 test Kb, 28 days duration
EMI	IEC 6100 – immunity; CISPR 16 - emissions
Mechanical (Camera)	
Diameter	313.4mm (Inc. Illuminators)
Height	394.5mm
Weight	17.5kg
Camera Housing	Marine Grade 316L stainless steel, electropolished
Pan & Tilt Coverage	
Pan Range / Speed	360° continuous, 49°/sec max
Tilt Range / Speed	+60° to -90° (hanging down), 37°/sec max
Running Tool	
Material	Galvanised Steel
Length	637mm
Diameter	443.6mm
Weight	32.5Kg (Running Tool Only), 50Kg (Camera & Running Tool)

0553-6010 HDIP Surface Control Unit

Performance, Electrical & Networking	
Case	Storm Peli-Case IM2700 series with Aluminium front panel
Dimensions	624.2mm (L), 498.3mm (W), 217.1mm (D)
Weight	16.5kg
Power	Input: 90 to 265 VAC (50-60Hz) Output: 24VDC, 108W
Monitor	15.6" TFT LCD with touch screen Resolution: 1366 x 768
Recording Capacity	256GB
Recording Transfer Options	Export via USB or Ethernet
Camera Control	Touch screen monitor and integral two axis joystick for rotate, tilt & zoom
Protocols	TCP/IP, ONVIF
Operating System / VMS	Windows 10 / Milestone XProtect
Power & Video Umbilical Cable	30m standard (optional up to 100m)

Specification subject to change without any further notice

0553-6000_Datasheet_RevA

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