

claxton®

➤ **MAKING
OFFSHORE
CAMERAS
HAPPEN.**



an **ACTEON** company



**“CLAXTON CAMERAS ARE
RUGGED, FIELD-PROVEN
AND AVAILABLE FOR RAPID
CALL-OFF...
BECAUSE THAT’S WHAT
OUR CLIENTS TOLD US
THEY NEED.”**



Claxton is founded on a simple belief: That our team always works closely with the customer to ensure the best service, and solution, is always on offer. Simply put, whatever your project needs, Claxton will strive to make it happen.

Our camera range is just one example of this customer focus in action: We have supplied world-class cameras for over 12 years and in response to the issues faced by clients, we’ve continually adapted and improved our range to meet their needs.

We have several pioneering products in our camera range and these are offered alongside a deep range of engineering and services for subsea and land operations – our cameras really benefit from Claxton’s quarter of a century of oilfield experience.

The result is that our cameras are rugged, field-proven and available for rapid call-off – because that’s what our clients told us they need.

We hope you find this brochure useful and we look forward to making your next project happen very soon.

Warm regards,



Dannie Claxton
Technical Director

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MAKE IT HAPPEN.

Whatever your project needs, trust Claxton to make it happen. Whether you have an unforeseen operating challenge, or need anything from a full riser system, to a well abandonment, to any of a vast array of rental equipment, you'll get the same level of dedication and service from our team.

We combine nearly three decades of offshore experience with a fast-track design-analyse-build engineering service to deliver safe, pragmatic solutions to the challenges faced by you and your projects. Learn more about how we can help at www.claxtonengineering.com

AN ACTEON COMPANY

Acteon has an outstanding portfolio of complementary products and services for the subsea marketplace. The experience shared by Acteon companies opens the opportunity for a fresh approach to subsea operations and services.

To find out more about how Acteon companies can work together to deliver a fresh approach to your operating needs, visit www.acteon.com

Some names you might recognise:



OUR CAMERAS

Claxton sells more than just camera systems.

Having over two decades of working subsea under our belt, we understand the challenges operators face on their projects, the harsh treatment our equipment must withstand and the visual performance needed to make decisions.

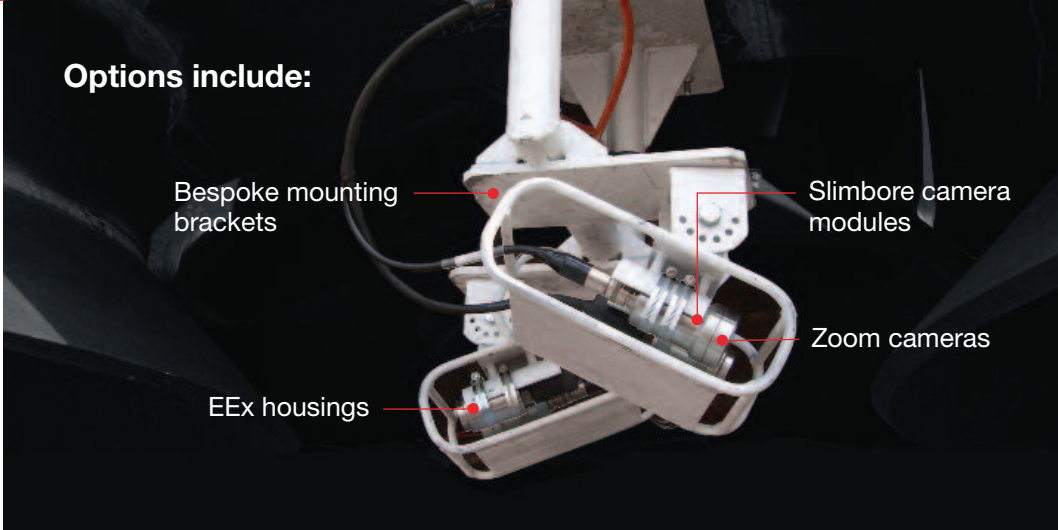
It's thanks to this experience that our camera systems are rugged, powerful and trusted by clients all over the world.



Custom supply options

In addition to the products in this brochure, we also offer multiple supply options to suit your application – for instance, we have slim-bore and zoom variants of CAMSCAN cameras, and can engineer cost effective brackets for mounting cameras on equipment.

Options include:



RUNNING TOOLS

Claxton supplies a range of running tools for different applications – for instance offering camera centralisation within casing, or providing flushing ports to enhance visibility. Drill-pipe and sandline conveyed tools are available and, naturally, our tooling is just as rugged as the rest of our camera range.



CAMSCAN

A best-in-class feature packed pan and tilt downhole camera with LED lighting.



Powerful LED lighting gives CAMSCAN's pan-and-tilt camera great visibility in all directions.

CAMSCAN has proved to be invaluable for visual inspection operations, earning an enviable record of successful downhole operations. The system has been used for wellbore trouble shooting, fishing operations and the inspection of landing shoulders, seal areas and tieback threads. CAMSCAN is also ideal during subsea installation operations such as template landing, pile running and jacket location.

Product Features

- Operates in water depths up to 2,000m
- High-resolution, high-sensitivity camera
- Operates in low light levels of 0.5 lux
- 360° pan, 180° tilt
- Digital recording to tape
- Easy JPEG and MPEG data transfers
- Back up DVD.

Key Benefits

- Rapid set up time & easy operation
- Suitable for multiple applications
- High power light mode improves visibility in poor conditions
- Compact lightweight system
- Standard file formats for easy transfer.

CAMSCAN

CAMSCAN's rugged screen and control station.



CAMSCAN specifications

Housing	316 Stainless Steel, Optical Acrylic Dome
Environmental	2,000m depth
Image Sensor	Colour CCD 752(H) 582(V)
Resolution	400 TV Lines
Sensitivity	0.5 lux (f1.4 / f1.2)
Optical	3.6/6mm lens
Video Format	PAL (mpeg file output)

MULTICAM

Disposable camera systems with indispensable performance.



MULTICAM's small form makes it ideal to monitor installation in tight locations.

Operations dictate it is often preferable to leave items subsea rather than to incur retrieval costs - Claxton designed MULTICAM to meet this need while maintaining the high visual performance associated with more expensive systems.

Multiple cameras can be used to monitor stab guides and other key areas to ensure a safe and accurate installation and to verify that infrastructure has been successfully locked down.

Product Features

- Multiple cameras and lights can operate from one system
- Small form factor enables installation in tight locations
- High performance camera modules.

Key Benefits

- Easily operated and rapid set up
- Maximum visibility in poor conditions (camera in close proximity to point of interest)
- Bespoke camera mounting brackets
- Standard file formats for easy transfer.

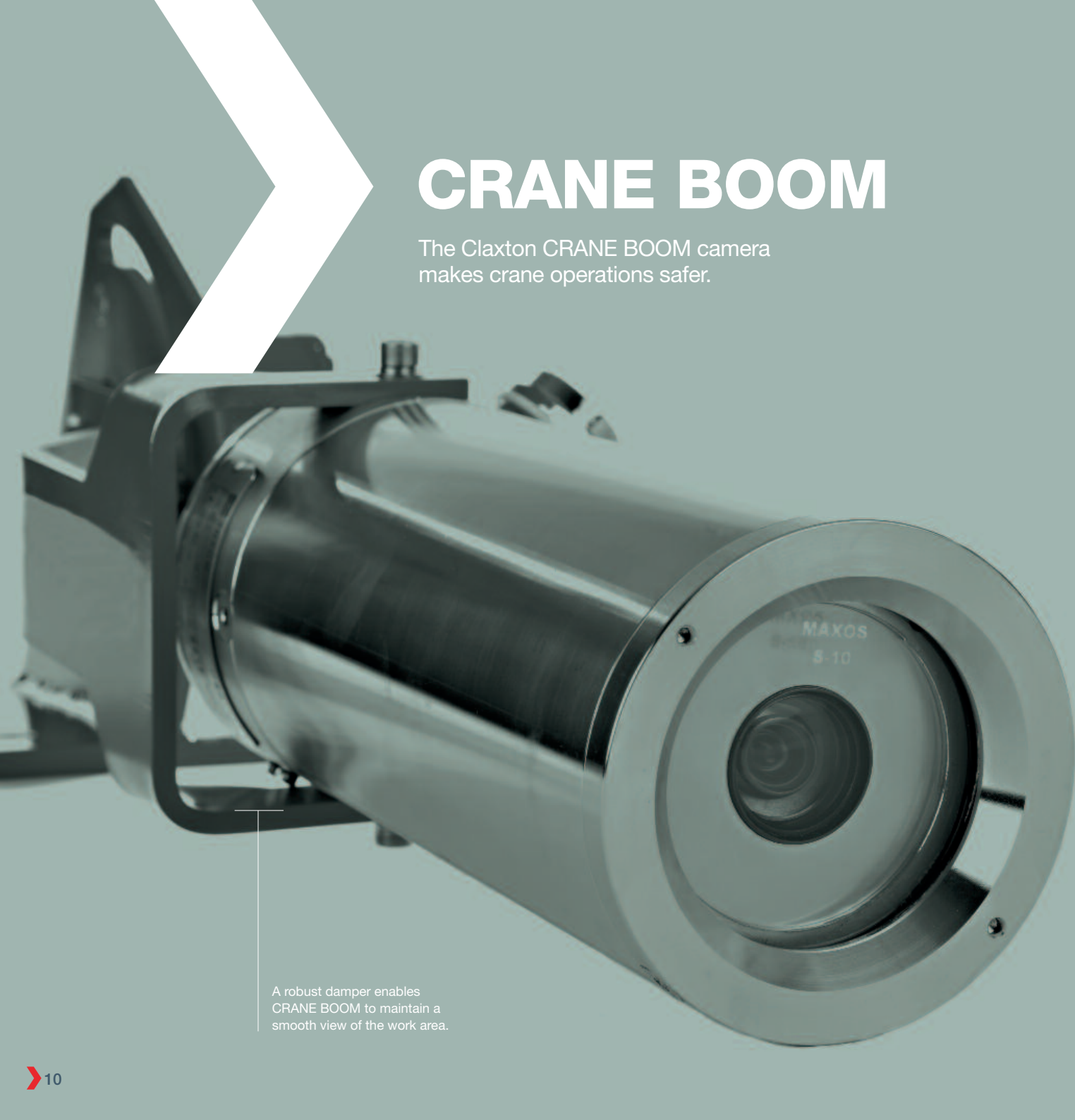
MULTICAM

MULTICAM comes with the same rugged, compact, easy to use control centre as our retrievable cameras.



MULTICAM specifications

Housing	316 Stainless Steel, Soda-lime glass port
Environmental	400m depth (standard)
Image Sensor	Colour CCD 752(H) 582(V)
Resolution	600 TV Lines
Sensitivity	0.5 lux (f2.0)
Optical	3.6mm lens
Video Format	PAL (mpeg file output)



CRANE BOOM

The Claxton CRANE BOOM camera makes crane operations safer.

A robust damper enables CRANE BOOM to maintain a smooth view of the work area.

CRANE BOOM

Our CRANE BOOM control system features easy-to-use ‘in chair’ controls and a large screen for added safety.



Product Features

- Best-in-class 312:1 zoom capability
- EEx rated modules provided for controlled zone, or cross zone applications
- High-res daylight viewable LCD monitor
- Custom designed pivot bracket and damping system maintains a steady view of the work site
- Day/night auto switching between colour and low light mono
- Standard VESA mountings or bespoke brackets to suit your crane.

Key Benefits

- Unmatched visual performance – class leading zoom capability and high quality monitor system
- Simple operation and easy set up
- Used in daylight and low light levels without adjustment
- Straightforward interface with existing crane design
- Field proven in harsh North Sea rig environments
- 3 camera operation as standard.

CRANE BOOM camera specifications

Housing	Stainless Steel, Soda-lime glass port
Environmental	Weatherproof IP68 & ATEX options
Image Sensor	Colour CCD, 1/4 Super HAD
Resolution	450 TV Lines
Sensitivity	1 lux (F1.8) colour, 0.12lux mono
Optical	26x optical, 12x digital
Camera	PAL format, day/night auto switching, joystick operation and 3 camera switching

ULTRA LOW LIGHT

A state of the art camera module provides visual clarity in nearly pitch-black conditions and deep water environments.

A state of the art CCD enables clear vision in conditions too dark for most cameras.

The Claxton ULTRA LOW LIGHT camera works effectively in conditions where light is poor or the sea is murky. Using a light source in water with a large amount of particulate material normally results in 'bloom' as the particles reflect the light. Our system negates this issue by eliminating the need for high powered lighting.

Product Features

- Effective in light levels down to just 0.0003 LUX
- Camera module rated to 3,000m (300bar)
- Robust, easy operation control unit
- Fully field-proven system components.

Key Benefits

- Ideal for low-clarity waters, such as those in the North Sea
- Reliable visual performance for applications where silt is stirred up during operations
- Standard file formats for easy transfer.

ULTRA LOW LIGHT

Over two and a half decades of subsea experience ensures the build you expect from offshore equipment.



ULTRA LOW LIGHT Camera specifications

Housing	Stainless Steel, Soda-lime glass port
Environmental	3,000m
Image Sensor	Mono ½" CCD
Resolution	570 TV Lines
Sensitivity	0.0003 lux
Optical	23.6mm lens
Video Format	PAL (mpeg file output)

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