

# POLECAM

World Leader in Specialist Jibs, Minicams & Accessories



## Polecam Medical System

**Part #PR018M**

Polecam has established itself as the global leading lightweight, portable modular camera crane system. Quick to setup, easy to relocate, intuitive to use and offers great versatility through its design. It is the perfect system for providing a flexible 4K or HD camera platform for medical theatre applications

Forward thinkers in various medical companies around the world have recognised Polecam's potential for looking over the shoulders of surgeons in the operating theatre to give an unrestricted ultra high, high definition or even 3D view of the procedure without compromising the medical team

Polecam can be configured to work with the latest small profile 4K and HD minicams including Ultra Hi Definition prime and zoom lenses. It has a highly responsive, remote pan and tilt head, which is controlled by the operator at the back end of the rig who remains outside the main operating area. Any movement by the surgical team which may obscure the camera view, can be countered by the operator using the boom and remote head. This overcomes the problem of fixed and rail cameras located around the lights, which can be obscured by surgeons bending in over the work area.



Polecam is used quite regularly by some of the large orthopaedic companies who set up training events for surgeons and for the sales teams, to demonstrate procedures using their prosthetics and the specialist tools and instruments used to fit them.

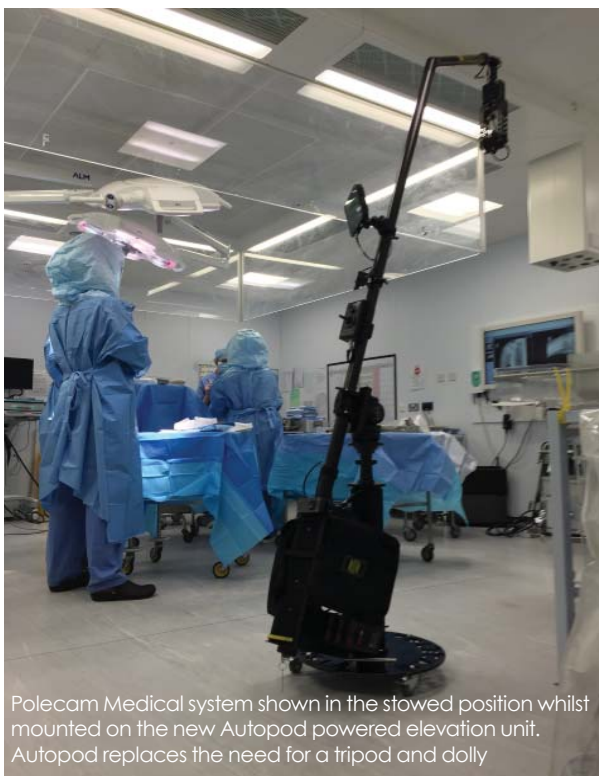
In these events usually the audience will be in a lecture theatre viewing the camera output(s) on large screen monitors or projectors and the principal surgeon will have a two way audio link to the audience to enable Q & A sessions.

The 4K or HD outputs of the camera can be recorded so that training video productions can be produced after the event. Polecam is also able to mount a second HD minicam in tandem to produce a 3D output. In some cases webcasting has now been used to facilitate a wider audience.

Polecam is usually mounted on the NEW Autopod powered elevation unit. With a height adjustment through 70cm/27.52 offers accurate and stress free polecam elevation. Polecam can also be mounted on a standard tripod and dolly.

Where sterility must be maintained, sterile sleeves are available to fit over the camera, head and boom, with a small aperture for the front of the lens.

There are countless other opportunities within the wide remit of the medical industry where Polecam could offer this benefit of showing clearly what is being done by the surgeons and specialists of all kinds so that this knowledge can be passed on in the form of training, but also to offer highly professional content in 4K, HD or 3D



Polecam Medical system shown in the stowed position whilst mounted on the new Autopod powered elevation unit. Autopod replaces the need for a tripod and dolly

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## Polecam RovoCam Interface Unit

**Part #ZIF100** (partners with Polecam Medical Rig Part #PR018M & RovoCam Part #ROV010)

### Advantages of the Polecam & RovoCam in the Medical field

A lightweight, carbon fibre, modular crane with remote head that is primarily used in the film and television industry but is now being used more and more in the operating room to provide high quality unobscured footage for training surgeons.

Used extensively by Smith & Nephew (Birmingham Hip) and now Arthrex who have just bought their third Polecam. It has also been used by many others and even used for live tv surgical show for both training and television. Polecams are now installed at the John Radcliffe in Oxford as well as hospitals in Swansea and Birmingham including the Birmingham Children's Hospital; whilst the 600th Polecam went to the Royal College of Surgeons.

The most common observations from surgeons that have worked with Polecam is how unobtrusive and flexible it is, the quality of the footage, and most importantly how the filming does not interrupt their work compared to having a cameraman alongside. An overhead camera cannot film through a surgeons head!



Polecam Medical Rig  
Part #PR018M

Shown on the powered telescopic Autopod column - Part #TRI500 (not included) and with the AJA RovoCam Controls & Accessories (not included)

RovoCam on the Polecam lightweight remote Pan & Tilt head

Polecam Medical now offer the NEW AJA RovoCam based on the Sony 8300 module. This is a full 1080i and 1080p module (up to 60p and not just 30p) but also has the added advantage of being 4K capable although only up to 30p. This is by far, more than most customers require and also makes the system very future proof.

RovoCam is small enough to fit in the palm of your hand. Built of rugged aluminum, RovoCam is reliable and built for serious use, and its light weight and compact body allows simple mounting in a wide range of scenarios. RovoCam's marriage of lens to delivery begins with superior Sony optics, complete with built-in 12x optical zoom and up to 20x zoom with Sony Super Resolution Zoom and autofocus or manual focus capabilities; all easily controlled remotely via Sony's VISCA protocol. Delivering this much functionality and power with single cable connectivity dramatically simplifies installation, camera setup and footprint requirements.

### Remote Camera Control

**Part #ZIF101**

- Zoom control rocker & Clamp
- Focus wheel and auto/man switch
- Iris wheel and auto/man switch
- Pushbutton for white balance



### Polecam RovoCam Interface Unit

**Part #ZIF100**

- Varizoom interface unit
- 12V in and 48V out for RovoCam
- Converts LANC data to VISCA data
- Auxiliary 5V out



• Front View

• Back View

Global Headquarters

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