

# COVERING ALL THE BASES

Our broadcast range of heads covers all bases, the AFC-100 offers excellent value for money with a mid level payload, the Ultihead will take the large broadcast cameras with box lenses and can be controlled from a touchscreen, traditional control panel or like all MRMC heads using Polymotion Chat our unique camera tracking solution. The POD is a water and dust tight enclosed unit that incorporates a selection of cameras from Nikon perfect for remote video or photography production where the units can be left and controlled from anywhere.



## CONTROL

All of our heads can be controlled using our MHC solution, Polymotion Chat automated camera tracking and of course our traditional control panels.



MARK ROBERTS MOTION CONTROL  
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MARK ROBERTS MOTION CONTROL  
BROADCAST ROBOTICS HEAD RANGE

Mark Roberts Motion Control is known as the industry leader for accurate, reliable, precise and repeatable robotic solutions. All broadcast options are covered, from simple pan and tilt heads which can be mounted on a pedestal, plinth, tripod or underslung from a truss or lighting grid to more sophisticated bespoke solutions including multi-axis robotic arms. Adding advanced movement is simple with cost-effective track and rail systems that can be built to fit specific requirements or off the shelf straight and curved solutions to create really dynamic camera movement.

## As used by:

Boston Red Sox | Sky Sports | AFP | Formula 1 | MLB | Gravity Media | Fox Sports | ZDF



# AFC ROBOTIC HEAD

LIGHTWEIGHT AUTOMATED CAPTURE



360° MOVEMENT  
AT UP TO 180° A SECOND

SUPPORTS ANY CAMERA  
UP TO 15KGS

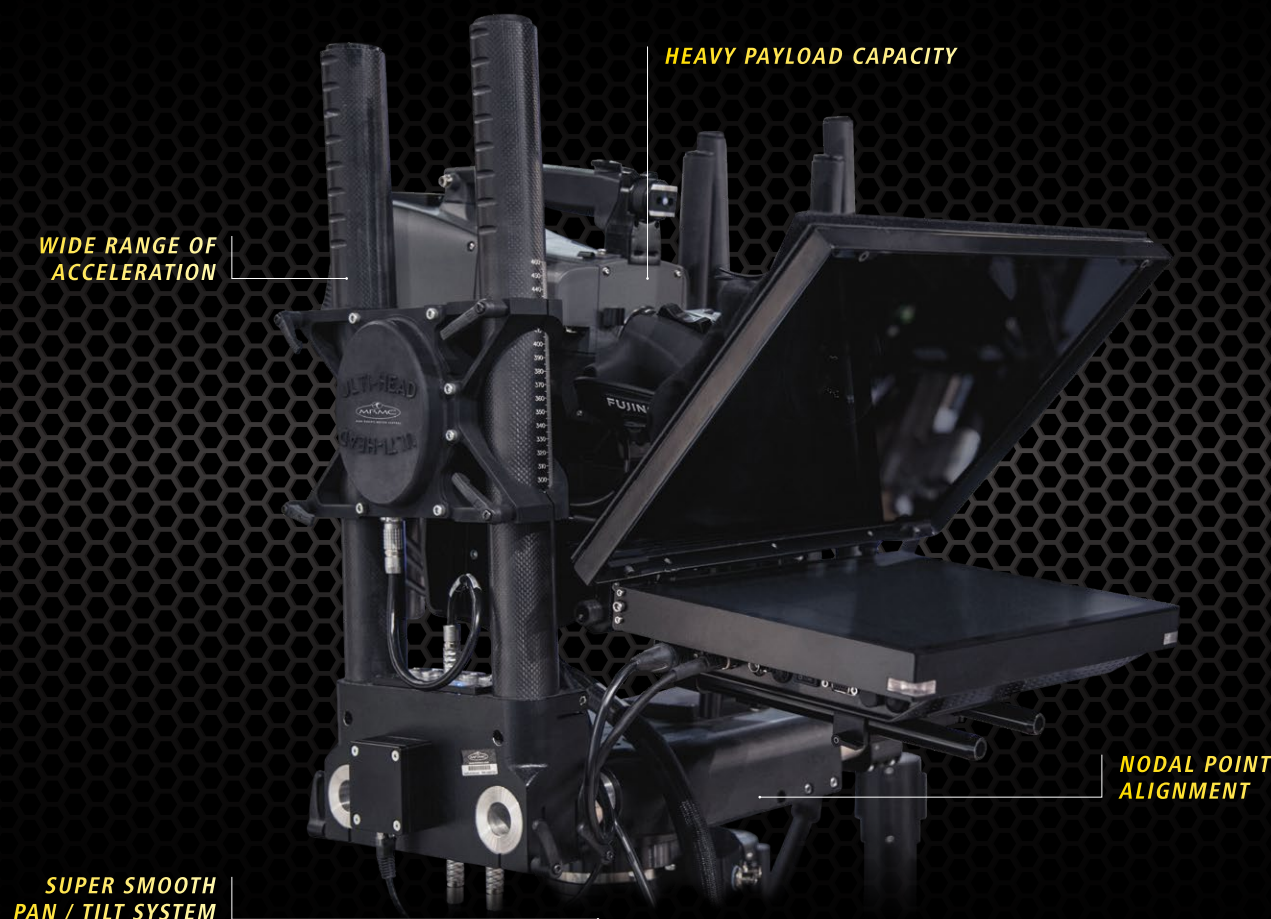
SIMPLE CABLING  
ALL OF THE CABLES PASS THROUGH  
THE UNIT FOR TANGLE FREE OPERATION

- EASY TO USE CONTROL INTERFACE
- CAMERA & LENS CONTROL
- LIGHTWEIGHT

Developed from our class leading motion control heads the AFC-100 offers excellent value for money and unbeatable speed and accuracy. Ideal for larger camcorders, box cameras with ENG lenses or larger sensor cine or DSLR cameras. AFC-100 heads can be over or underslung, mounted on trusses, plinths, tripods or almost anywhere. With an optional slipring the head can pan infinitely allowing users to create amazing shots and encoders can be added for virtual set applications.

# ULTI-HEAD

HIGH-ACCURACY HEAVY PAYLOAD SYSTEM



WIDE RANGE OF  
ACCELERATION

HEAVY PAYLOAD CAPACITY

NODAL POINT  
ALIGNMENT

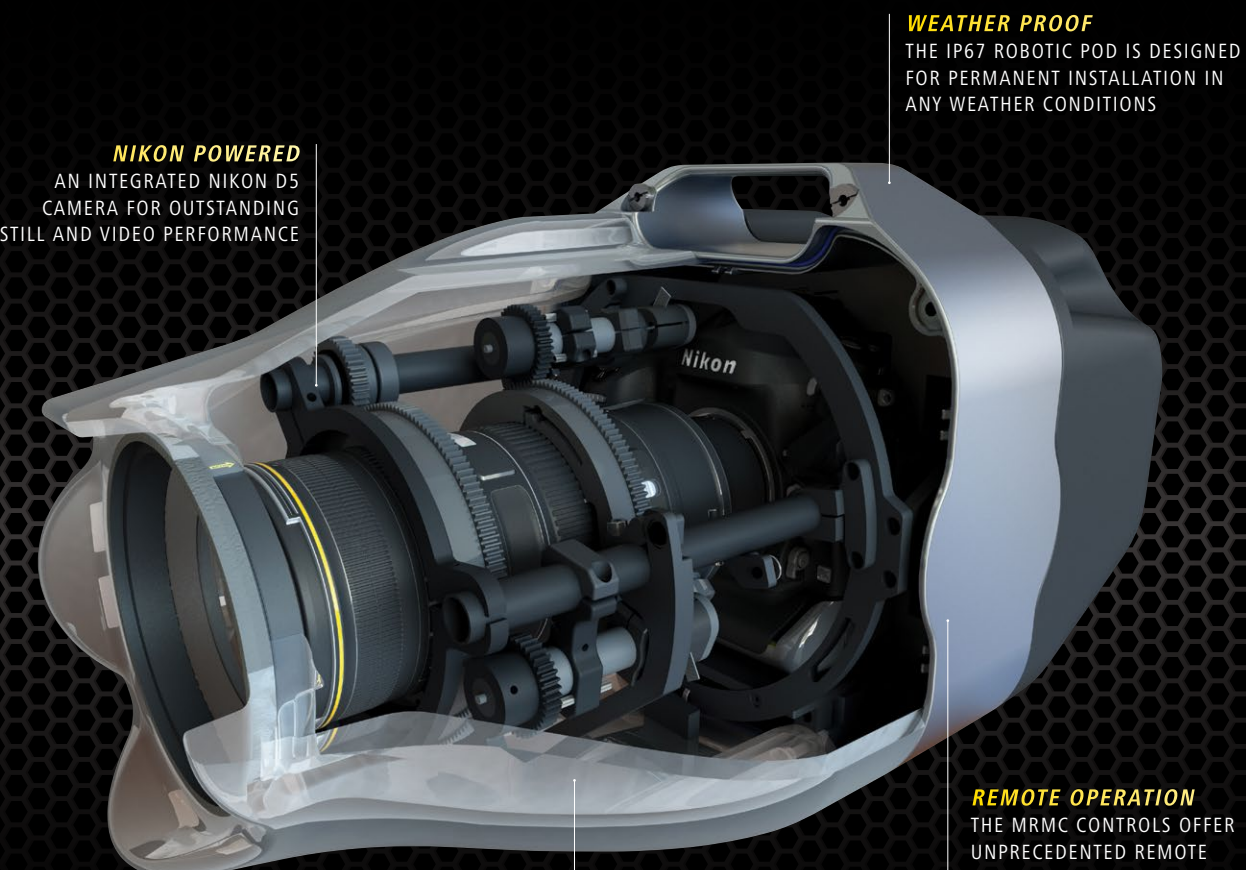
SUPER SMOOTH  
PAN / TILT SYSTEM

- MAXIMUM PAYLOAD OF UP TO 45KG
- CAMERA & LENS CONTROL

Our largest pan and tilt head has a massive 45KG payload and is the perfect tool for jobs where a large camera and or lens needs to be controlled accurately and reliably. The intricate and robust design gives the Ultihead superior precision and stability allowing smooth and accurate motion at very high zoom (magnification of over 100x). The adjustable and compact design of the Ultihead allows for easy transportation and deployment.

# ROBOTIC POD

VIDEO & STILLS



NIKON POWERED  
AN INTEGRATED NIKON D5  
CAMERA FOR OUTSTANDING  
STILL AND VIDEO PERFORMANCE

WEATHER PROOF  
THE IP67 ROBOTIC POD IS DESIGNED  
FOR PERMANENT INSTALLATION IN  
ANY WEATHER CONDITIONS

TAILORED FOR YOUR NEEDS  
EASY SWAP OUT LENSES ALLOW THE  
POD TO BE DEPLOYED IN A NUMBER OF  
ENVIRONMENTS, FROM CLOSE UP CAMERA  
WORK TO WIDE TACTICAL CAMERAS

REMOTE OPERATION  
THE MPMC CONTROLS OFFER  
UNPRECEDENTED REMOTE  
CONTROL OF THE ROBOTIC  
POD OVER A STANDARD IP  
CONNECTION

- REMOTE CAPTURE OF STILLS AND VIDEO
- WEATHER PROOF AND ROBUST
- QUICK TO USE MODULAR SYSTEM

Our fully weatherproof system made to withstand various environments for numerous outdoor applications. The POD houses a Nikon DSLR camera and a range of lens types which can be set to shoot either video or stills. The different mounting options available for the POD allows it to be installed on tripods, in trusses or on beams. It's compact design and the nature of its permanent installation allows it to be placed nearly anywhere physically possible, unlocking camera angles never seen before. Full camera and lens control are present at the user's fingertips, making the POD the most versatile of remote PTZs currently in the market.

# COMPARISON CHART

MODEL	AFC-100	ULTI-HEAD	POD
Price	Low Cost	Medium	Medium
Operational Space	600mm <sup>3</sup>	800mm <sup>3</sup>	1.2m <sup>3</sup>
Camera and Lens	Box Cameras + Serial Lenses, ENG cameras, Nikon DSLR	ENG & Box Lenses	Nikon DSLR (D5/Z6)
Lens Control	✓	✓	✓
Stills	✗	✗	✓
Environment	Weather resistant / Indoor	Indoor / Temporary	Weatherproofed (Outside / Indoor)
Absolute positional encoders	✗	✓	✓
Max Speed (° p/s)	> 100° p/s	> 120° p/s	> 180° p/s
Min Speed	< 0.001° p/s	< 0.001° p/s	< 0.001° p/s
Internal Cable Management	Unlimited Pan Rotation	Unlimited Pan Rotation	Unlimited Pan and Roll Rotation
IP Controlled	✓	✓	✓
Inverted Mounting	✓	✓	✓

ALL ROBOTIC HEADS WORK WITH POLYMOTION CHAT



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A Nikon Company