
















Robotic Pan & Tilt Head


 is a major new addition to the Camera Corps range of robotic cameras. Following on from the highly popular Qball, the new head has many additional features which make it quite simply the most powerful miniature robotic system on the market today.


 has all the best features of the earlier QBall systems but now has a larger zoom, a more sensitive camera, even smoother movement, and genlock built into the standard system.

Features

-  20x Optical Zoom Lens
-  360° continuous pan movement
-  Multiple HD formats
-  Manual and Auto IR modes
-  Single 10m cable from head
-  Genlock with remote timing adjustment
-  Smooth 'On-air' operation of Iris and Master Black
-  Optional built-in fibre system
-  Multiple control options, - Audio Data, RS232, RS422, Ethernet
-  Preset moves with full 'motion control' and 'VR Data' output
-  Future proof camera upgrades if better models become available
-  Operation over unlimited distances with audio data control
-  IP rated for outdoor use

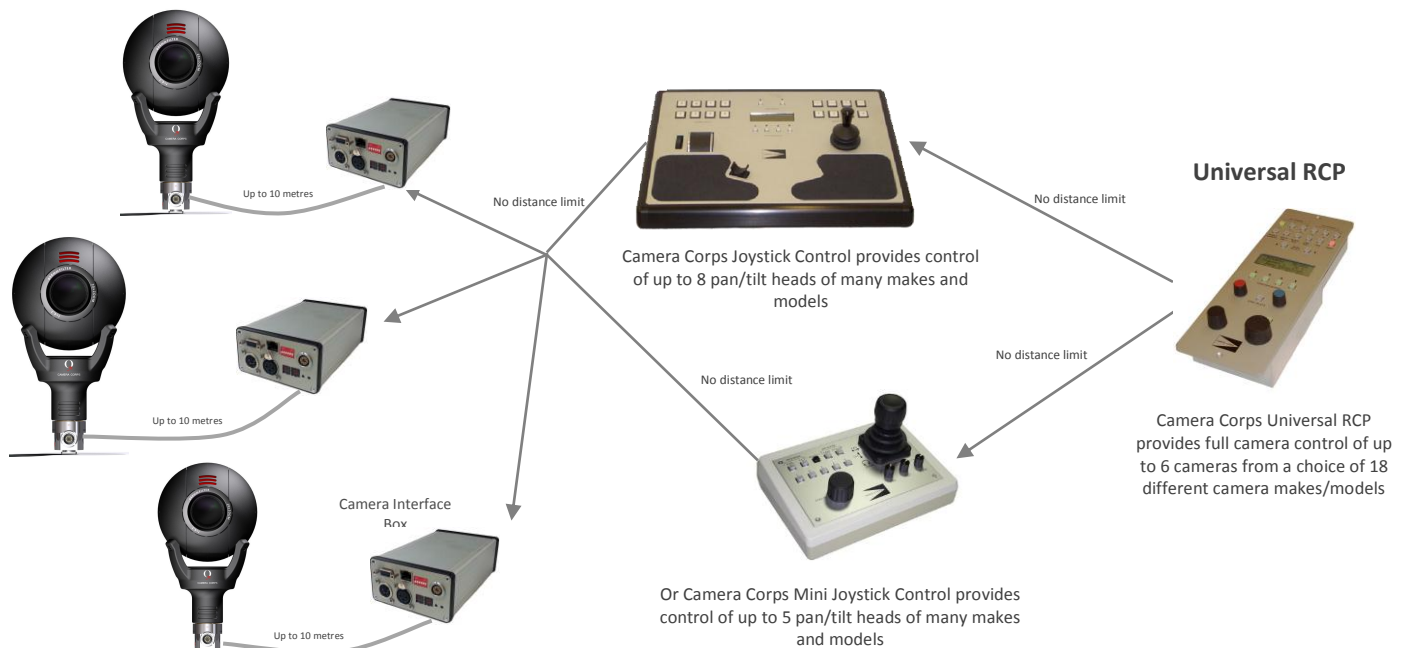
Description

 is a robotic camera system that can meet virtually all the requirements for coverage of TV sporting events both outdoor and indoor, reality TV shows, concerts, in fact anywhere a small unobtrusive remote camera is required. The simple cabling and ease of rigging this system have already been appreciated by many companies worldwide.

 Can be integrated with ease into all of Camera Corps current control systems including the 'Multi-Camera' control system widely used for reality TV shows where up to 96 cameras of various types can be controlled by up to four operators and four vision engineers.



Data Control System Example



Camera Specification

Sensor	1/3" RGB Bayer progressive CMOS sensor
Effective Pixels	2.1M pixels
Lens	20x Optical zoom
Angle of View	59.4° (wide) ~ 3.0° (tele)
Zoom Speed	Max Wide to Tele 3 secs
Focus Speed	10secs max
Iris	101 steps from Close to F1.6
Master Black	127 steps
Test Sig	Colour Bars
Format	1080p/60, 1080p/50, 1080p/30, 1080p/25, 1080p/24 1080i/60, 1080i/50, 1080i/30, 1080i/25 (p59.94, p29.97, p23.97 also available) 720p/60, 720p/50, 720p/30, 720p/25 (p59.94, p29.97, p23.97 also available)
Synchronisation	Internal / External CSync, Tri-level HD Sync
Min Illumination	B&W: 0.02lx (1/2sec, Gain +32db) Colour: 0.5lx (1/30sec Gain +32db) 1080p/30 @f1.6 (Wide end)
Dynamic Range	80db (with WDR ON)
Max Gain	+42db
Gamma Correction	0.3, 0.45, 0.475, 0.5, 0.525, 0.575, 0.6, 0.8, 1.0
White balance	Auto / ATW / Indoor / Outdoor / Manual
Day / Night	IR mode with manual or automatic operation
Shutter	2sec ~ 1/10,000sec
Edge Enhance	16 steps
Operation Temp	0 ~ 60°C
Effects	Neg / Pos / B/W

Q3 Head

Pan Speed	Maximum 90° / Sec Minimum 0.25° / Sec (360° in 90 mins)
Tilt speed	Maximum 90° / Sec Minimum 0.25° / Sec (360° in 90 mins)
Pos Repeat	.02°
Mounting	Standard 1/4" UNC or Special square slide mount
Size	104mm high x 125mm dia.
Weight	2.5kg

Interface Box

Head Cable	Lemo 10w + Coax. 10m or 20m available
Inputs	Audio Data (Camera Corps standard) RS232, RS422, Ethernet IP Genlock – BNC
Outputs	HD-SDI x2 BNC, 1 x Composite Video BNC RS232, RS422, Ethernet IP
Size	160mm x 103mm x 53mm
Weight	0.5kg
Power Supply	9 – 36v DC Input.
Consumption	12 watts

Fibre Option

The fibre option consists of a 'base end' box taking in analogue genlock and audio data signals. HD-SDI is also output from here.

A fibre card is fitted into the existing interface box at the head end.

Fiber type	2 x LC fiber connectors
Signals:-	
Base to I/F Box	Analogue Genlock Video Audio Data
I/F Box to Base	HD-SDI Digital Video