

Extreme

EX200 Wireless Camera Systems

The EX200 is a wireless remote stabilized head, built for extreme environments.

The EX200 wireless gimbal is the result of a collaboration between IMT Vislink and Extreme Camera Systems.

The team behind the Extreme series have over twenty years of experience putting stabilized heads into extreme environments. This compact head takes the latest sensor and stabilization technology to produce the most versatile product in its class.

The hermetically sealed payload enclosure protects the sensor and lens and eliminates fogging or condensation. The direct drive, 3-axis stabilization ensures smooth images and the precise camera control essential for broadcast applications.

The EX200 wireless remote head includes on-board power, UHF video transmission and control transceiver.



Key Features

- 3-Axis Gyro Stabilized (pan/tilt/roll)
- Hermetically Sealed Waterproof IP68
- Compact and lightweight
- Smooth pan, tilt and lens control
- Latest high-quality Sony sensor
- Integrated licensed band UHF control transceivers
- IMT Vislink COFDM video transmission
- Wireless video and control at over 2 km
- Gimbal Controller and separate camera RCP
- Integral BPU30 batteries
- Can be used as wired connection via 3G Slip ring

Typical Applications

Broadcast in all-weather from the heart of the action:

- On-board
- Tracking vehicles
- Rails and cable systems
- Cranes and jibs
- Temporary and wireless camera positions



Wireless Remote Head

Physical

- 200mm Diameter
- 6kg
- Waterproof IP68, dry nitrogen purged
- 3-axis gyro stabilized with internal closed loop control system

Payload

- 1/2.8 Exmor CMOS, 3.27 Megapixel Sony sensor
- HD:
 - 1080p/29.97, 1080p/25, 1080i/59.94, 1080i/50, 720p/50, 720p/29.97, 720p/25
- 54.1° (wide-end) Horizontal Viewing Angle
- 20 x Zoom, f=4.3 mm (wide) F1.6 to F4.7
- Dual BPU30 battery ports

Wireless Connections

- Integrated transceivers
- 2km wireless control and video transmission:
 - 1080i-50/60, 2W 2.4Ghz ISM Band IMT Vislink CFDM video transmitter *
 - 1W frequency selectable, licensed band gimbal and camera control transceiver

*Separate IMT Vislink Video receiver required.

Wired Connections

- 3G Slip ring enables continuous 360-degree pan rotation, even when cables are connected.
- Power (12v DC)
- 3G SDI 1080p, 1080i, (59.4, 50, 60)
- RS485 (gimbal and camera control)

Joystick Controller

Controls

- 3 axis joystick (pan/tilt/zoom)
- Zoom rocker
- Focus dial
- Tilt invert
- Zoom invert
- Bias Offset

Wireless Connections

- 1W head and camera transceiver
- Battery port

Wired Connections

- Power (12vDC)
- RS485 (gimbal and camera control)
- RS485 (RCP connection port)
- USB

Storage

- Head and Joystick Controller supplied in Peli Case with battery kit and charger

Additional Options

- Camera Control RCP
- High powered control transceiver
- Quick release dovetail mounting plate
- Male Mitchell mount
- AV isolator kit
- Dry nitrogen purging kit
- Spare antenna kit



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