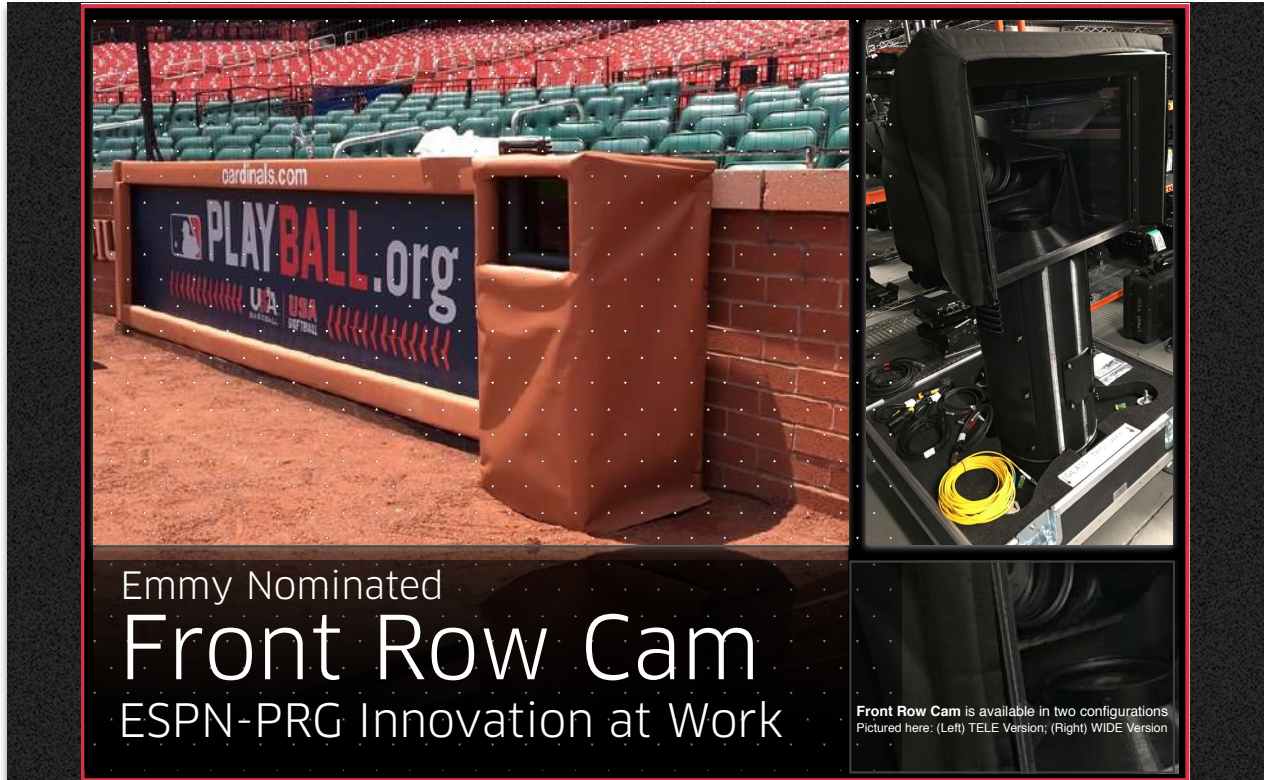


# Front Row Cam

A Periscope Camera Solution from PRG



## PRG Innovation ... On Demand!

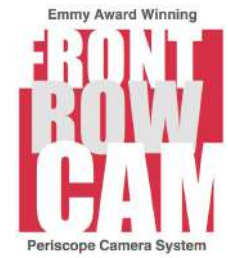
- Sony HDC-P43 Camera • Fujinon HA42X13.5 Lens (Tele) or HA13X9.7 Lens (Wide)
- Camera Chain: Sony BPU-4000 (with HFR License), HDCU-2500 and RCP 1500
- 2X • 3X • 4X • 6X • 8X Slo Mo into EVS or 4K 2X Slo Mo
- Entire system runs on two fibers into Sony HKCU-SM100
- PRG Custom Pan and Tilt Controller
- PRG 3D Printed Pan and Tilt Housing (using ABS material and a Stratasys Fortus 900MC FDM printer)

Measuring 16 inches wide x 16 inches deep x 32 inches high, this custom-designed system (dubbed “Front Row Cam” by co-creator ESPN) features a Sony HDC-P43 camera equipped with a Fujinon HA42x13.5 lens for its ‘Tele’ version used in baseball or, a Fujinon HA13X9.7 lens for its ‘Wide’ version used in tennis and other sports. The 2X/3X/4X/6X/8X slo-mo replays are handled by an EVS XT3 replay server. A custom PRG Pan and Tilt controller is included for operator ease of use. The entire system runs on two fibers into a Sony HKCU-SM100 CCU extension adaptor.



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### Specifications

#### Pan/Tilt/Camera System

Power Requirements	90-264 VAC, 47-63 Hz
Power Consumption	50W nominal, 100W peak
Operating Temperature	-4°F to + 113°F/ -20°C to +45°C
Mass	Approximately 42 lbs with camera and lens
Dimensions (WIDE version)	21" x 21" x 43" tall Optical center of lens height 35"
Dimensions (TELE version)	16" x 16" x 32" tall Optical center of lens height 28"
Connectivity	Duplex ST Singlemode Fiber, approximately 5km
I/O	Mic input, 3 pin XLR Female • For MIC: -60 dBu to -20 dBu, balanced
Panning range	±110°
Tilting range	±15°
Pan operating speed	50°/s
Tilt operating speed	30°/s



Above: Opening Day 2018, Dodgers Stadium, CA



Detail: Camera lens reflected in mirror



#### CCU/Rack System

Power Requirements	90-264 VAC, 47-63 Hz
Current Consumption	7A nominal
Dimensions	8RU Rack x 24" deep

On March 28, 2018, the National Academy of Television Arts and Sciences (NATAS) announced its nominations for the 2017 Sports Emmy Awards. PRG was very pleased to learn that ESPN, along with members of PRG's team of technical innovators, had been nominated for the prestigious **George Wensel Technical Achievement Award**. The honor was directly related to the work accomplished for ESPN's *Sunday Night Baseball* in 2017.

#### Remote Control

Controller	Joystick for pan/tilt Rocker for zoom • Roller wheel for focus
Functions	Soft stops on all axis Sensitivity adjustment on all controls Relative pan/tilt position readout
Iris control	Uses Sony RCP1500

#### Camera System

Camera Body	Sony HDC-P43 2/3" POV Camera (HDR ready) 4K and 2X 4K • HD 2X/3X/4X/6X/8X slow mo Built in ND and CC filters, servo controlled
Lens	Fujinon HA13x9.7 (Wide) or Fujinon HA42x13.5 (Tele)



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