

motion
expert in multi axes dimensions

Cineflex





The Cineflex V14HD is the ultimate gyro-stabilized solution for aerial filming. The V14 HD is a multi-axis coordinated gimbal control system that provides layered isolation, steering, and fine correctional movements to stabilize a wide selection of precision optics to a sub-pixel level. Integrated into the gimbal, the Sony HDC-1500R 1080p professional broadcast camera provides unmatched color clarity and resolution in 23.98, 25, 29.97, and 59.94 frame rates.



All gimbal and camera functions are remotely controlled from a user-friendly laptop. The camera operator can control rate of pan, tilt and roll.

The integrated Sony RM-B750 “paint box” allows detailed control over exposure, gamma, and frame rates. Advanced users can access the internal camera menus for extended modifications and service.

The V14 HD. More flexibility. More freedom.

Specification for the Cineflex:

- System Type: 5-axis gyro-stabilized
- Azimuth Coverage: 360° continuous
- Elevation Coverage: +20° to -195°
- Roll Coverage: +/- 45°
- Slew Rate > 55°/sec
- Max Slew Acceleration: 100° / sec²
- Turret: 19.5" x 14.9" / 65 - 74 lbs
- Lens Enclosure: 8.5" (D) x 0.5" – 7.5" (L)
- Auxiliary Control Unit: 14" x 19" x 6" / 27 lbs
- Laptop Control Unit: 17" x 8.75" x 1.8" / 5 lbs
- Cable Set: 20' length / 9 lbs
- Input Voltage: 28 VDC +/- 10% - 230 Watts

-Lens option:

- Fujinon HA 13 X 4.5 - (4.5mm to 117mm optical, 234mm digital)
- Fujinon HA 22 X 7.8 - (7.8mm to 343mm optical, 686mm digital)
- Fujinon HA 42 X 9.7 - (9.7mm to 815mm optical, 1630mm digital)





Sony HDC - 1500

The HDC-1500 portable camera utilises advanced HD Digital Signal Processing with 14 bit A/D converters. It also incorporates a newly developed CCD imager that creates images in either 1080 50 or 60 frame progressive or 1080 50 or 60 field interlace frame rates, depending on desired final system output. The new CCD and DSP LSI are two key devices that allow stunning image creation in a variety of scanning modes. The new camera system accommodates all popular interlace and progressive scan formats including 1080/50, 1080/24P as well as the highest-quality 720/50P images.

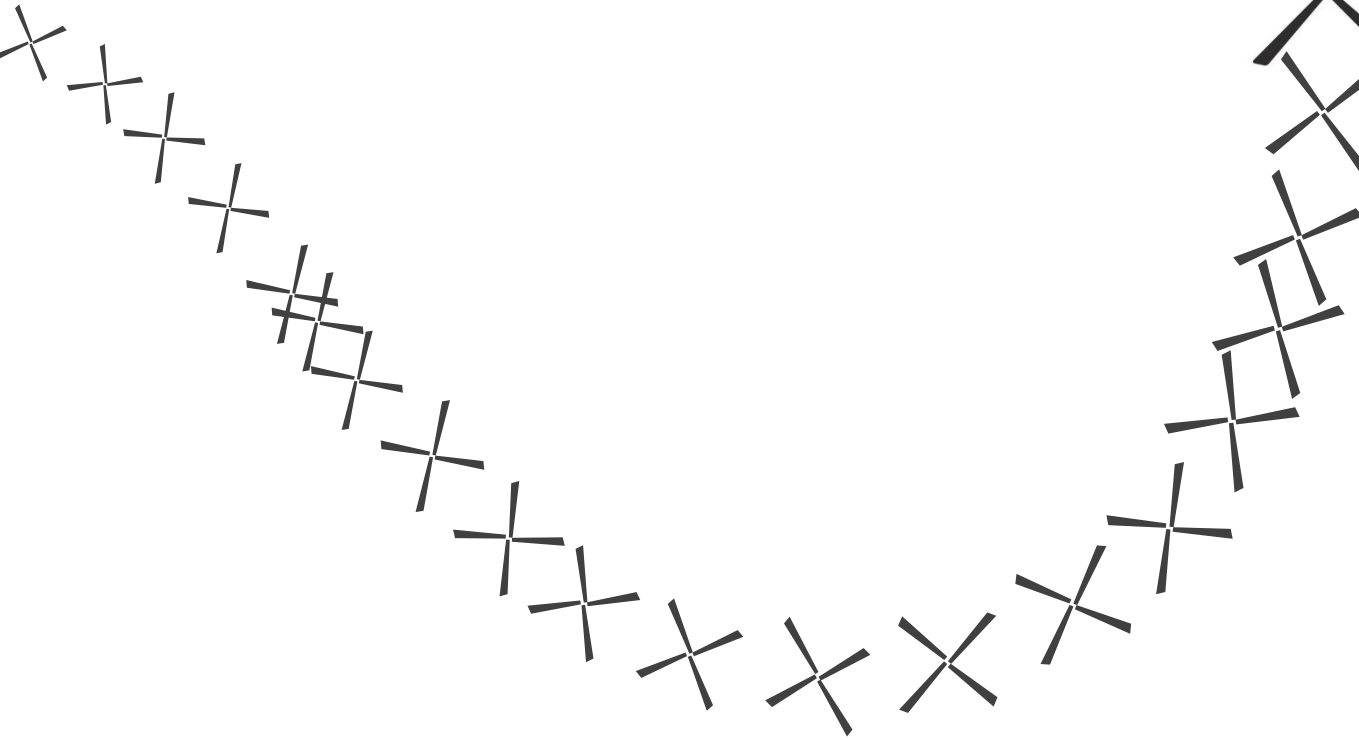
Specification for the Sony HDC-1500:

| Camera | |
|----------------------------------|---|
| Pickup device | 3-CCD 2/3-inch type 16:9 |
| Effective picture elements (H&V) | 1920 x 1080 |
| Spectrum system | F1.4 prism system |
| Built-in filters | 1: Clear, 2: 1/4ND, 3: 1/8ND, 4: 1/16ND, 5: 1/64ND A: CROSS, B: 3200K, C: 4300K, D: 6300K, E: 8000K |
| Servo filter control | Yes |
| Lens mount | Sony bayonet mount |
| Sensitivity | F10 at 2000 lx (3200K, 89.9% reflectance) |
| Minimum illumination | 10 lx (F1.4, +12 dB gain up) |
| Signal-to-noise ratio | 54 dB (typical) |
| Horizontal resolution | 1000 TV lines |
| Dynamic range (1080/60i mode) | 600% |

| | |
|-------------------------|---|
| Registration | Within 0.02% (all zones, without lens) |
| Shutter speed selection | 1/100, 1/125, 1/250, 1/500, 1/1000, 1/2000 s (1080/60i mode), 1/60, 1/125, 1/250, 1/500, 1/1000, 1/2000 s (1080/50i mode) |
| Modulation depth | 45% or more horizontally (800 TV lines at center, 27.5 MHz, with typical lens) |



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