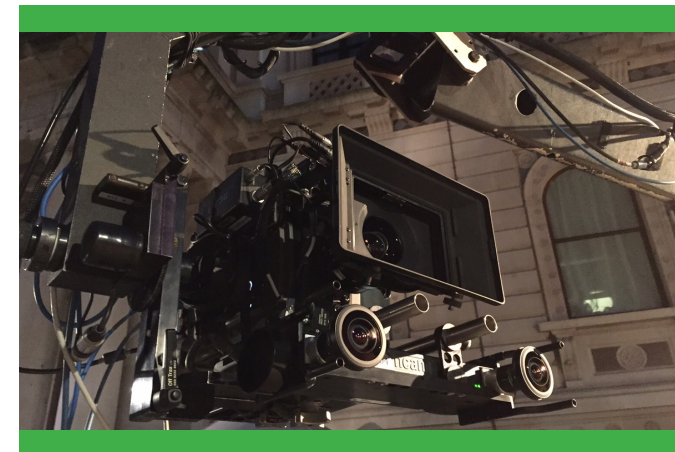


## General Overview

### Realtime Camera Tracking System

The Ncam camera tracking system features a Multi-Sensor Bar that is unobtrusively mounted above or below the camera to provide realtime tracking data to the Ncam Server. Ncam provides complete positional information, plus focus and focal length via industry-standard protocols compatible with most VR/AR graphics engines. It is suitable for a wide range of applications both indoors and outdoors, across all camera rigs even Handheld, Steadicam and Spidercam.

Ncam's latest hardware design enables all data to be sent down a single Cat6 Gigabit Ethernet cable, alternatively, this can easily be converted into dual single-mode fibre via standard media converters. Current graphics renderers supported are VizRt, Brainstorm, RT Software, ORAD, Ventuz, Unity and Ross via Freed or Ncam's SDK protocol.



## Technical Specifications

<ul style="list-style-type: none"> <li>Supported Cameras</li> <li>Supported Lenses</li> <li>Lens Metadata</li> <li>Lens Calibration</li> <li>Camera Configs</li> <li>Camera Feed</li> </ul>	<p>Digital broadcast cameras with HD-SDI monitoring.</p> <p>Prime or Zoom varifocal</p> <p>Canon/Fujinon lens data from virtual port - Ncam smart cable</p> <p>Ncam proprietary - measured and calibrated in prep and stored in DB</p> <p>Handheld, Steadicam, Tripod, Dolly, Pedestal, Technocrane, Spidercam.</p> <p>1080P 25/29.97 1080i 50/59.94 720P 50/59.94</p>	<p>Ncam Server</p> <ul style="list-style-type: none"> <li>Configuration</li> <li>Device</li> <li>Server Interface</li> <li>Power Requirements</li> </ul> <p>Ncam Camera Bar</p> <ul style="list-style-type: none"> <li>Configuration</li> <li>Power</li> <li>Operation</li> <li>Weight</li> </ul>	<p>1x server per broadcast camera</p> <p>Silent rack mountable sever running bespoke Linux OS.</p> <p>DVI/HDMI Monitor, Keyboard, Mouse</p> <p>4A @ 220V - 6A @110V</p> <p>1x Ncam bar per camera</p> <p>12v DC via camera</p> <p>Tether cable to server via Cat 6 Ethernet cable or fibre converters</p> <p>1.2Kg</p>
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- INSTANT REALTIME TRACKING
- USES EXISTING GRAPHICS PIPELINES
- HANDHELD, STEADICAM, TRIPOD OR CRANE
- FULL FREEDOM OF MOVEMENT
- INTEGRATED LENS CALIBRATION
- CANON AND FUJINON LENS ENCODERS
- FAST WORKFLOW AND SETUP
- INDOOR OR OUTDOOR CAPABLE
- COPPER OR FIBRE CONNECTIVITY
- EASY INTEGRATION INTO OB WORKFLOW

