# ULTRACAM

**science** high time-resolution astrophysics.

**imaging** simultaneously images a 5 arcminute field in 3 colours (e.g. u', g' and r'/i'/z') onto 3 frame-transfer CCD chips.

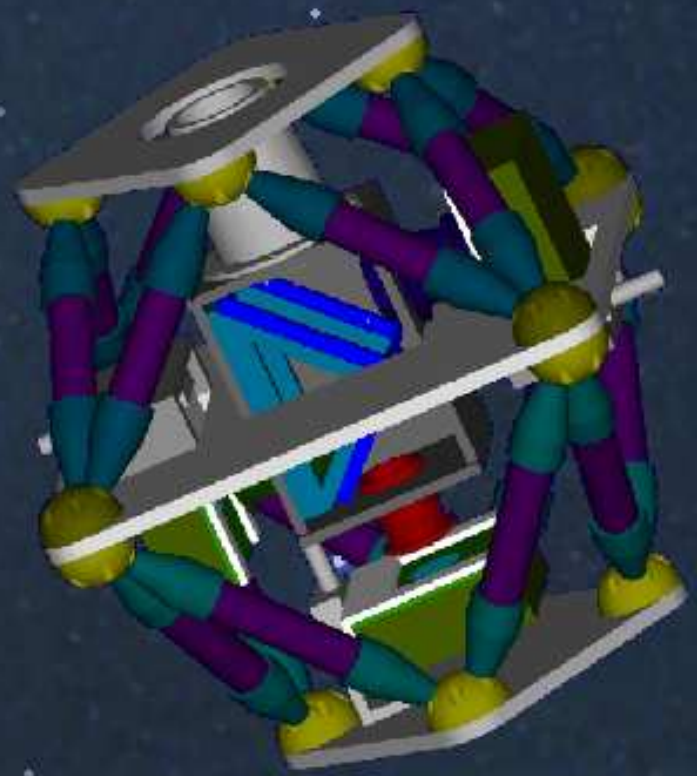
**speed** exposure times of milliseconds to seconds with essentially no dead-time between exposures, each time stamped to an absolute accuracy of 0.01 milliseconds.

**sensitivity** limiting magnitudes of 17 in 0.001 millisecond exposures on the VLT.

**operations** java-based user interface (i.e. operation over internet); pipeline data reduction and archiving system (i.e. real-time light curves); small (<1 m), light (<100 kg), standalone (i.e. no interface to telescope required) instrument.

**status** currently under construction by Universities of Sheffield and Southampton and the UKATC, to be commissioned on the WHT in February 2002.

**VLT** ULTRACAM clone could easily be provided for the VLT within 2 years (i.e. late 2003/early 2004) for less than £300 000 (i.e. 500 000 Euros).



**for additional information on ULTRACAM, please refer to**
**http://www.shef.ac.uk/~phys/people/vdhillon/ultracam**
**or contact Vik Dhillon (vik.dhillon@sheffield.ac.uk) or Tom Marsh (trm@astro.soton.ac.uk)**