

The Path to Series Production of the MicroTCA.4 Based Scientific Detector Controller (NGCII) for the Extremely Large Telescope

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After performance validation of the detector controller configuration for CMOS scientific detectors, indicating that noise performance and readout speed requirements will be met, preparations for series production and delivery of the majority of systems for the ELT first-generation instruments are made. This also includes the development of tools and processes for operation of the controller in the field and finalization of electrical, mechanical, software and communication interface definitions with the telescope itself and the instruments that will integrate NGCII. In parallel development work for CCD system and mid-infrared fully digital CMOS detectors is ongoing.

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