

MicroTCA.4 based controller for CMOS detectors

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The Extremely Large Telescope (ELT) is under construction on Cerro Armazones in Chile. MicroTCA.4 will be used as a basis for the new modular ESO detector controller (NGCII) for all future visible and infrared scientific detectors. Specifically, IR CMOS detectors are the most commonly used detector type for the ELTs first generation of instruments. The presentation gives an insight into how commercial components and modules developed in-house are used to control infrared CMOS detectors and some of the challenges encountered while integrating MTCA.4.

Summary

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