



feedback part, operated with a non-inverting gain of x4. At this gain it has a small signal bandwidth of 74 MHz, a slew rate of 70 volts per microsecond, an input voltage noise density of 1.7 nanovolts per root Hertz and an input current noise density of 1.5 picoamps per root Hertz. Although its input current noise density is larger than similar FET input parts its input voltage noise is much lower, so the output noise is lower when used with high gain CCDs that have output impedances up to several thousand kilohms.

Following the preamp is a DC restore circuit whose function is to maintain the average signal level so



noise on the lines. The table of available voltages follows, where names are assigned to some of the DC bias signals used to operate a quad readout EEV39 CCD with two video processor boards. A wiring list named EEV39.txt is available for the EEV39 sensor that maps the pinr the linBcontrlloer woards.





