

# TDI 288 x 4



PARAMETER	PERFORMANCE
Format	288 lines with TDI on 4 elements
Detectors pitch (crosscan/inscan)	28 $\mu\text{m}$ x 43 $\mu\text{m}$ (staggered)
Element size (crosscan/inscan)	28 $\mu\text{m}$ x 25 $\mu\text{m}$
Detector spectral response	7.7 $\mu\text{m}$ - 10.3 $\mu\text{m}$
FPA Operating Temperature	77K nominal

**Main modes**  
 Snapshot operation,  
 simultaneous mode  
 (integrate while read),  
 programmable integration  
 time, bi-directional TDI  
 scanning, random pixel  
 deselection



Selection	Serial electrical interface
Charge handling capacity	1.8 Me -- 16.2 Me - in up to 6 step
Electrical dynamic range	>80 dB
Signal outputs	4
Pixel output rate	Up to 6 MHz output
Integration time	15 $\mu\text{s}$ typical (selectable, depending on frame rate)
Residual Fixed Pattern Noise	Low and stable (<NETD) <5%RMS ( /mean,300K uncorrected)
Non uniformity	Ricor K508 (optional K560 or split stirling)
Cooler	

