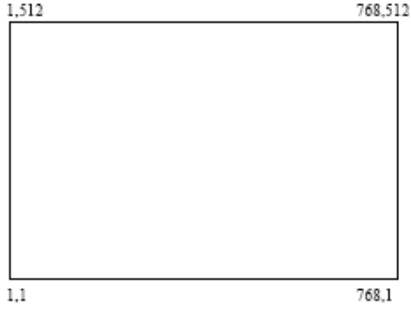
Cosmetic Specification

Defect tests performed at T=25°C

Grade	Point Defects	Cluster Defects	Column
C1	≤5	0	0
C2	≤10	≤4	0



Cosmetic Definitions

Point Defect	DARK: A pixel which deviates by more than 6% from neighboring pixels when illuminated to 70% of saturation, OR BRIGHT: A Pixel with dark current > 5000 e/pixel/sec at 25C.
Cluster Defect	A grouping of not more than 5 adjacent point defects.
Column Defect	1) A grouping of >5 contiguous point defects along a single column. 2) A column containing a pixel with dark current > 12,000e/pixel/sec (bright column). 3) A column that does not meet the minimum vertical CCD charge capacity (low charge capacity column). 4) A column which loses more than 250 e under 2Ke illumination (trap defect).
Neighboring pixels	The surrounding 128 x 128 pixels or ±64 columns/rows.
Defect Separation	Column and cluster defects are separated by no less than two (2) pixels in any direction (excluding single pixel defects).