If the original data to send is 10011001 11100010 00100100 10000100. How would it be possible to detect error using two dimensional error detecting technique?

Two dimensional parity check— Date: 1  Data words (block of Idata) arranged one above another line in 2D Matrix.	
Data word K. Kz Kml Data  Eg. 10011001   1100010   00100100   100001001  Original data	
1 0 0 1 1 0 0 1 0 Row parrent to 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2
Mote: - If block data contains odd no of 1's odd of -0. even no of 1's case addi-od. Data sended -	P
10010010 111000100 001000 1000010000 1101101101	