

FIGURE 6.2 A microcomputer-based joint-transform processor. Note: BS is the beam splitter; L is the collimated lens; and L_2 and L_3 are the Fourier-transform lenses.

G A
B G

G

Input Object Reference

(a)



(b)

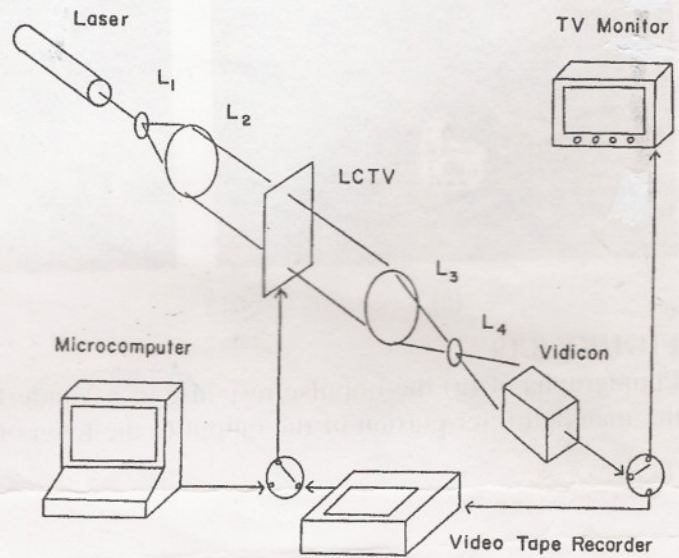


FIGURE 6.5 Schematic diagram of a programmable JTC employing a single LCTV.

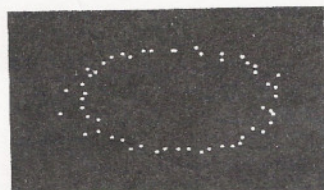
FIGURE 2.20 (a) Input object and reference function. (b) Output correlation spots.



(a)



(b)



(c)

FIGURE 6.14 (a) An object revolves in an elliptical path at 21 sec/rev. The dark dots are the hand track of the tank's position at each of the JTC cycles. (b) The tracked positions of the tank after 1 revolution. (c) The same after 4 revolutions.