+ Construction of the 12x /16x Zoom Lens

1 Lens   #2 Lens(Zoom)   #3 Lens   #4 Lens(Focus)   CCD Sensor

Iris

2 Lens Drive Motor/Gear   #4 Lens Drive Motor/Gear
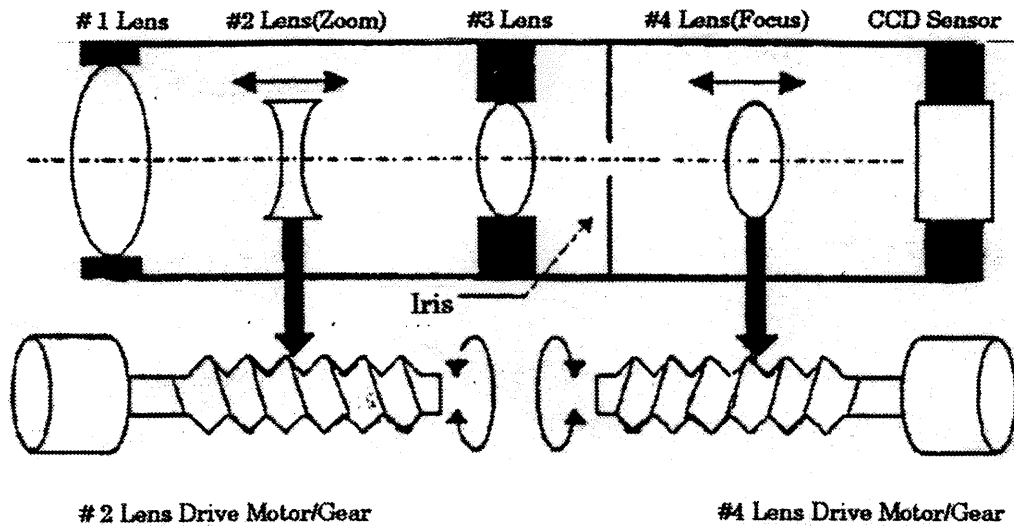
TRACE CURVE

The power zoom / auto-focus lens for our camera model VK-S914 is designed to be operated the both Zoom and Focus lens keeping with the following relationship (fig.1). This Tracks is called **Trace Curve** and it will be out of focused if the lens go to the out of this Trace Curve Tracks.

The 12 deferent TRACE CURVE data are programmed in the camera's CPU for the distance from infinity to near (close).

Fig. 1   TRACE CURVE

Fig. 2   TRACE DATA
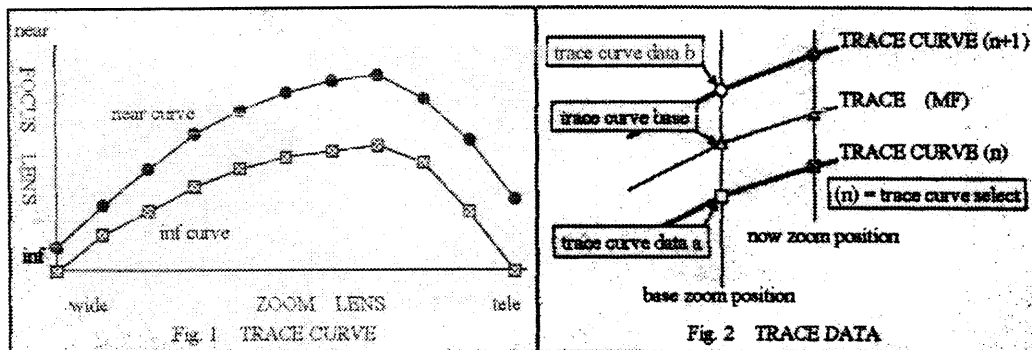
1) **[trace curve base : address=F7BE]**
   Set base Focus lens position from base Zoom position.
   Base Focus lens position will be set when AF⇒MF switched.

2) **[trace curve select : address=F895]**
   Trace Curve Number (n) for the base Focus lens position.

3) **[trace curve data a : address=F7C2]**
   Focus lens position for the Trace Curve Number (n).

4) **[trace curve data b : address=F7C4]**
   Focus lens position for the Trace Curve Number (n=1).