

H.264 Video Compression

Efficiently Bitrate Management

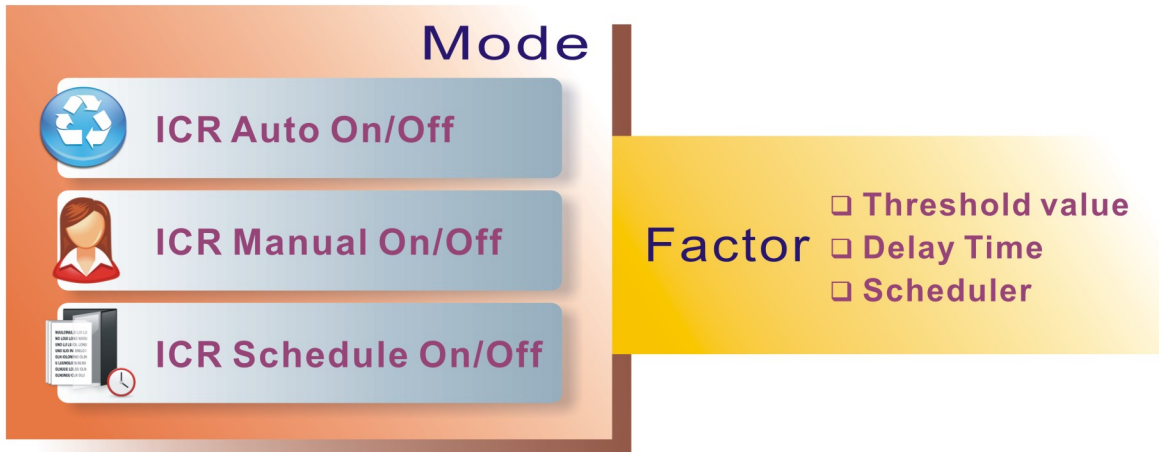
Image Resolution	Average range of data size for JPEG mode	Average bit rate for MPEG4 mode	Average bit rate for H.264 mode
160 x 120 (QQVGA)	3 ~ 6k byte per frame	64kbps~256kbps @ 30fps	32kbps~192kbps @ 30fps
320 x 240 (QVGA)	8 ~ 20k byte per frame	256kbps~768kbps @ 30fps	192kbps~512kbps @ 30fps
640 x 480 (VGA)	20 ~ 50K byte per frame	512kbps~2048kbps @ 30fps	384kbps~1536kbps @ 30fps
1280x1024 (SXGA)	100 ~ 200k byte per frame	NA	512kbps~3076kbps @ 15fps

“A-MTK Bitrate Estimation Table”

In VBR (Variable Bit Rate) mode, H.264 required 60% of MPEG4 bitrate and 1/20 MJPEG bitrate only, a new generation of video compression.

IR/ICR Smart Control

ICR controlled by A-MTK intelligent firmware to extend ICR life-time and stability



Event Trigger and Scheduler Trigger

