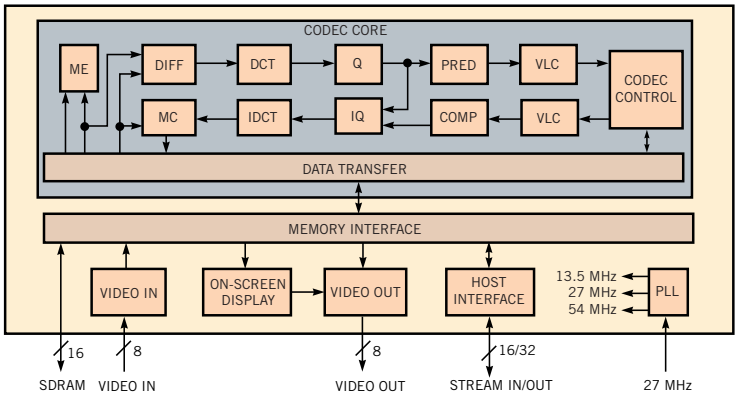
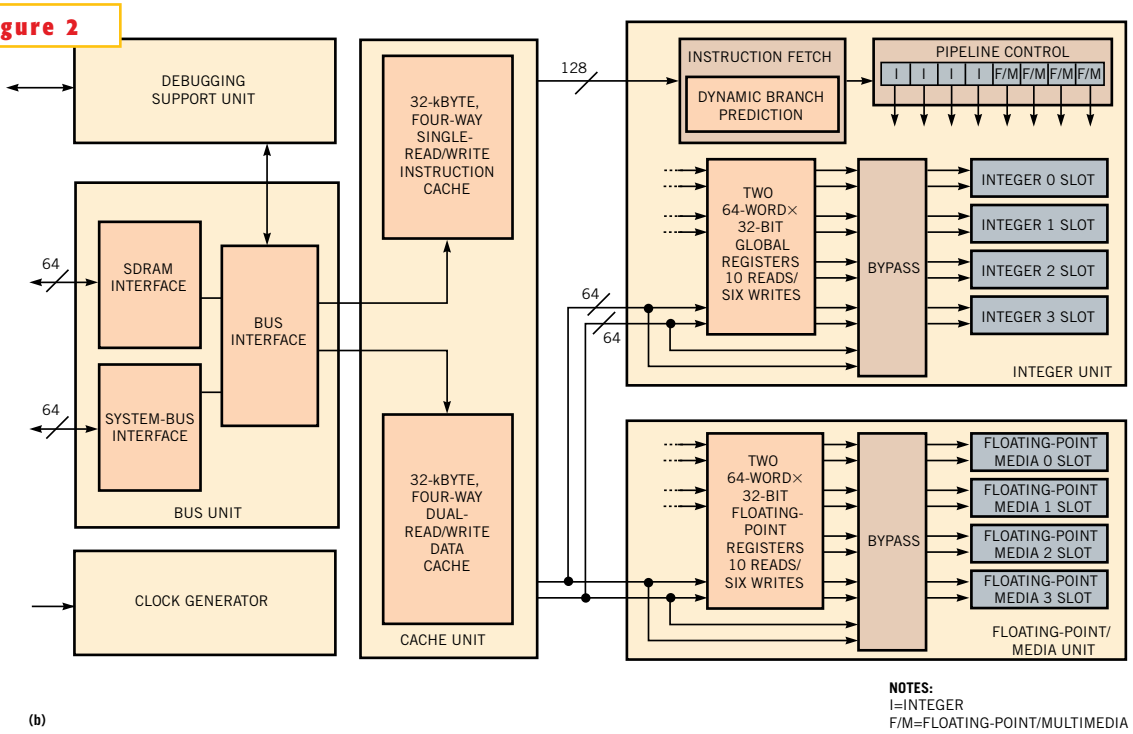


(a)

NOTES:
ME=MOTION ESTIMATION.
DIFF=DIFFERENCING.
MC=MOTION COMPENSATION.
DCT=DISCRETE-COSINE TRANSFORM.
IDCT=INVERSE DISCRETE-COSINE TRANSFORM.
Q=QUANTIZATION.
IQ=INVERSE QUANTIZATION.
PRED=PREDICTION.
COMP=COMPENSATION.
VLC=VARIABLE-LENGTH CODING.
VLD=VARIABLE-LENGTH DECODING.

Figure 2



(b)

NOTES:
I=INTEGER
F/M=FLOATING-POINT/MULTIMEDIA

Dedicated hardware (a) and multimedia-enhanced CPUs (b) represent some of the many algorithm "vehicle" alternatives (courtesy Fujitsu).