

PAIPER

737 DSP MODULES



THE PAIPER 737 SYSTEM IS BASED ON A EXCHANGABLE DSP MODULE AND GUARANTEES A FUTURE-PROOF SYSTEM FOR A LONG PERIODE OF TIME.

DEPENDING OF CUSTOMER'S DEMAND AND REQUIREMENT, THE OPTIMAL SOLUTION CAN BE ARCHIVED, STARTING FROM A BASIC INVESTMENT WITH THE POSSIBILITY TO UPGRADE AT A HIGHER STANDARD, IF NECESSARY.

I MODULI DSP INTERCAMBIABILI CONSENTONO UNA RAPIDA SOSTITUZIONE DEL PROCESSORE DSP DEL PAIPER 737, OFFRENDO COSÌ ALL'UTENTE LA POSSIBILITÀ DI AUMENTARE LE PRESTAZIONI E LE POTENZIALITÀ DEL SISTEMA.

L'ARCHITETTURA MODULARE DELLA PIATTAFORMA È STATA CONCEPITA IN MANIERA TALE DA RENDERE IMMEDIATAMENTE UTILIZZABILI LE NUOVE FUNZIONI IMPLEMENTATE SUL SOFTWARE CON LA SOSTITUZIONE DEL DSP ENGINE.

QUESTA FILOSOFIA PERMETTE DI EFFETTUARE UN INVESTIMENTO MIRATO, IN BASE ALLE PROPRIE REALI ESIGENZE E DI 'POTENZIARE' IL SISTEMA, QUANDO NECESSARIO, PER OTTENERE PERFORMANCE MAGGIORI. IN QUESTO MODO SI PRESERVA L'INVESTIMENTO INIZIALE DEL CLIENTE, GARANTENDO, ALLO STESSO TEMPO, L'AGGIORNABILITÀ DELLA PIATTAFORMA AGLI STANDARD FUTURI.

DM-20 STANDARD DSP ENGINE



The DM-20 is a real-time MPEG-1, -2 and -4 audio/video/system CODEC chip board (simultaneous compression/decompression, or encode/decode) that fully complies with the MPEG and H.263 standards.

The DM-20 accepts uncompressed ITU-R. BT-656 video and I2S audio, compresses the video into MPEG-1, -2, -4 or H.263 format, compresses the audio into MPEG-1 Layer I, Layer II, MP3, AAC or AC-3 audio format, and outputs them as transport stream for network applications or program streams for storage applications.

In addition, the DM-20 accepts an MPEG bit-stream input, and outputs ITU-R.BT-656 video. It also accepts an MPEG-1 Layer I, II or III, AAC1 or AC-3 audio bitstream input, and outputs audio through I2S, S/P-DIF or IEC-61937.

The DM-20 also supports the encoding and decoding of G.711, G.723.11, G.726 and G.729 audio.

DM-30 ADVANCED DSP ENGINE



The DM-30 is a real-time low power MPEG-1, MPEG-2, MPEG-4 ASP Part 2 Level 5 and H.263 audio / video / system SD CODEC chip board (simultaneous encode and decode) that fully complies with the MPEG and H.263 standards.

The DM-30 accepts uncompressed ITU-R.BT-656 video and I2S audio, it compresses the video into MPEG-1, -2, -4 or H.263 format, it compresses the audio into MPEG-1 Layer I and II, MP3, AAC LC, AC-3, G.711, G.723.1, G.726 or G.729 audio format, and outputs them as transport stream for network applications or program streams for storage applications.

In addition, the DM-30 accepts an MPEG-1,2,4 or H.263 video bit stream input, and outputs ITU R.BT-656 video.

It also accepts an MPEG 1 L1/L2 or MP3, AAC LC, AC-3, G.711, G.723.1, G.726 or G.729 audio bit stream input, and outputs audio through I2S, S/P-DIF or IEC-61937.

DM-40 ULTIMATE DSP ENGINE



The DM-40 is a real-time MPEG-1,-2,-4 and H.264 audio/video/system CODEC chip board (simultaneous encode/decode) that fully complies with all the following standards: MPEG-1, MPEG-2 MP/ML, MPEG-4 ASP Part 2, H.261 / H.263 baseline, and H.264 HP/MP/BP Level 3.0.

The DM-40 accepts uncompressed ITU-R. BT-656 video and I2S audio, compresses the video into MPEG-1,-2,-4 or H.261 / H.263 / H.264 format, it compresses the audio into MPEG-1 L1/L2, MP3, AAC LC, AAC HE or AC-3 audio format, and outputs them as transport stream for network applications or program stream for storage applications.

In addition, the DM-40 accepts an MPEG-1,-2,-4 / H.261 / H.263 / H.264 bitstream input, and outputs ITU-R.BT-656 video, and it also accepts an MPEG-1 L1/L2, MP3, AAC LC, AAC HE or AC-3 audio bitstream input, and outputs audio through I2S, S/P-DIF or IEC-61937.

The DM-40 supports the encoding and decoding of G.711, G.723.1, G.726 and G.729 audio.

The DM-40 also supports CPRM encryption/ decryption, and AES and DES scrambling/ descrambling.