

WPG-100A : MPEG-2 Encoder, ECO set 4 in 1 module with controller (AV>ASI)



FEATURES

- ✦ Analogue composite : PAL / NTSC Video input
- ✦ Video encoding : ISO 13818 MPEG-2 4:2:0 MP@ML
- ✦ Video bitrate : 15 Mbps (Max.)
- ✦ Audio encoding : ISO/IEC 11172 MPEG 1 layer 2
- ✦ Video and Audio synchronizer
- ✦ PMT / Video / Audio PID setting
- ✦ Use individual Data Controller with LCD to set all system parameters
- ✦ Software upgrade and data transfer via RS232

SPECIFICATIONS

VIDEO INPUT	VIEO ENCODING
<ul style="list-style-type: none"> ✦ Input color demodulation <ul style="list-style-type: none"> - PAL - NTSC - Auto-detection ✦ Analog input format : CVBS (Composite Video) ✦ Programmable video controls <ul style="list-style-type: none"> - Hue - Brightness - Saturation - Contrast ✦ Proprietary Architecture for locking to weak, noisy and unstable Video sources from VCR's, tuners etc. ✦ Macrovision® copy protection detection ✦ 4:2:2 to 4:2:0 colour format conversion 	<ul style="list-style-type: none"> ✦ Encoding format : MPEG-2 4:2:0, MP@ML ✦ Video bitrate : 15Mbps (Max.) ✦ Bitrate control support <ul style="list-style-type: none"> - Constant bitrate (CBR) - Variable bitrate (VBR) ✦ Dynamic parameters : GOP (Group of Pictures) ✦ Motion compensated ✦ Stream multiplexer <ul style="list-style-type: none"> - Multiplexing of video and audio streams according to the MPEG-2 systems Standard (ISO 13818-1) - MPEG time stamp (PTS/DTS/SCR/PCR) generation and insertion (Synchronization) ✦ Output format : ASI x 1 ✦ Output bitrate : 1.5 ~ 20Mbps
AUDIO ENCODING	CONNECTOR
<ul style="list-style-type: none"> ✦ Quantification : 16 bits ✦ Sampling rate : 48 KHz. ✦ MPEG-1 layer 2 audio encoding at 256 kbit/s or 384 kbit/s 	<ul style="list-style-type: none"> ✦ CVBS : RCA (female) 75Ω ✦ Audio : L/R RCA (female)