

# MPEG-2 Digital Video Encoder



Model **CL-220**

CL-220 is MPEG-2 encoder boasts powerful functions and high flexibility. It can be widely used in radio & TV stations, all kinds of industrial applications such as video monitoring, etc, or for home program production.

## Features

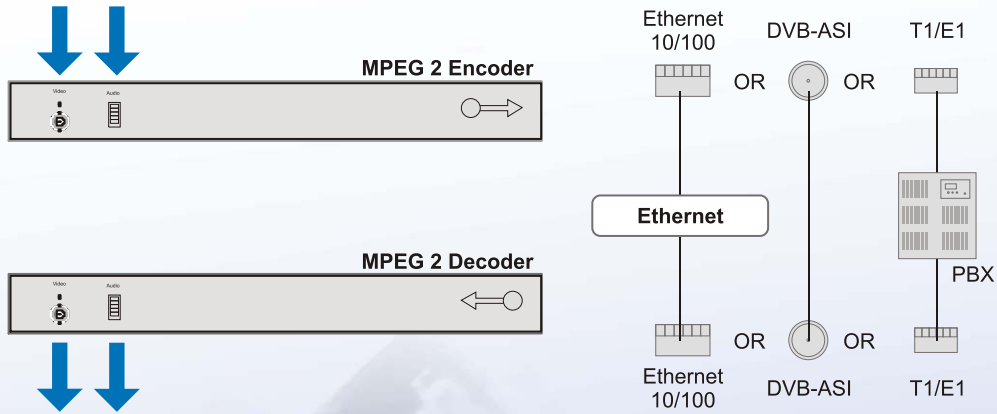
- Complying with ISO/IEC 11172 (MPEG-1) and ISO/IEC 13818 (MPEG-2) standards
- Various A/V input modes
- Forward filtering
- Audio/video synchronization
- MPEG-2 self-adaptive field/frame dynamic prediction and DCT
- Motion prediction: 100 horizontal and 50 vertical searching
- Semi-pixel precision motion statistics
- TBC (Time Base Correct)
- One RS-232 interface supporting independent low-rate data channel
- Encoding parameters adjustment in accordance with the user's requirements
- Multiple network interfaces supported
- Local/remote configuration and control supported
- Communication protocol and remote control software package for third-party networking and application development
- Luminance/chrominance adjustment
- Network access permit issued by the National Radio & TV (General) Bureau

## Model Selection

<b>CL-220-ASI/SPI</b>	MPEG-2 Digital Video Encoder, BNC/DB-25, Bit rate: 1.5~20 Mbps, Interface: DVB ASI/SPI
<b>CL-220-EP</b>	MPEG-2 Digital Video Encoder, BNC, Bit rate: 1.92 Mbps, Interface: E1 interface (ASI/SPI interface can be added)
<b>CL-220-iMUX/E1</b>	MPEG-2 Digital Video Encoder, SMB, Bit rate: 1.5~7.6 Mbps, Interface: 1~4 channel E1 (ASI/SPI interface can be added)
<b>CL-220-IP</b>	MPEG-2 Digital Video Encoder, RJ-45, Bit rate: 1.5~7 Mbps, Interface: 10/100 Mbps Ethernet interface (ASI/SPI interface can be added)
<b>CL-220-DS3/E3</b>	MPEG-2 Digital Video Encoder, BNC: DS3: <43 Mbps; E3: <33 Mbps, Bit rate: DS3: <43 Mbps; E3: <33Mbps, Interface: DS3 interface (default)/E3 interface (Optional)

Other Connectors and Distances Available Upon Request

# Example Application



# Specifications

<b>Audio Encoding</b>	<p>Audio Encoding: ISO/IEC 11172 (MPEG-1) Layer I and II          Audio Sampling Frequency: 32kHz, 44.1kHz, 48kHz          A/D Resolution: 16 bit          Encoding Bit Rate: 32~384 Kbps          Audio Input: non-balanced analog stereo (default), balanced stereo (optional)          Audio Mode: mono, stereo, dual mono, joint stereo</p>
<b>Video Encoding</b>	<p>Encoding Standards: ISO/IEC 13818 (MPEG-2), MP@ML 4:2:0, ISO/IEC 11172 (MPEG-1)          Image Format: PAL, NTSC          A/D Resolution: 9 bit          Picture Type: I, IP, IBP, IBBP          GOP Structure: adjustable          Screen Size: D1, HD1, SIF, QSIF          Vertical Resolution: 576 (PAL) and 480 (NTSC)          Horizontal Resolution: 720</p>
<b>Audio/Video Input Interface</b>	<p>Video Input: BNC: Y/C S-Video, composite, SDI (optional)          Audio Interface: BNC: non-balanced stereo (default), Cannon: balanced stereo (optional)</p>
<b>Environment</b>	<p>Operating temperature: 0°C to 40°C          Storage temperature: -20°C to 80°C          Comparative humidity: 10% to 90% (no-condensing)</p>
<b>Power Requirements</b>	<p>Voltage: 170V~264V/50Hz or 85V~132V/60Hz, power consumption: &lt;35W</p>