

HD TO IP STREAMER Encoder Card

MC-IP8100ST4HD

Professional 4-Channel HD Encoder for IPTV Stream Distribution



Professional Product Overview

Professional 8-channel HD encoder designed to convert HD video sources into IP streams for IPTV headend, hospitality TV and commercial media distribution systems.

4 HD Inputs

Service encoding

Encoding

H.264, MPEG and AAC Audio.

4 HD

Video inputs

4 SPTS

IP output streams

HD video to IP streaming solution for IPTV headend and commercial distribution networks

Description & Key Features

DESCRIPTION

The MC-IP8100ST4HD is a compact HD-to-IP streaming encoder developed for projects that require dependable conversion of multiple HD video sources into IP network streams. It is suitable for hospitality, corporate buildings, schools, entertainment venues and professional AV distribution environments.

The unit features four HD input interfaces and encodes incoming video signals into H.264 compressed IP streams for network-based distribution. With MPEG and AAC audio encoding support, it helps maintain efficient bandwidth usage while delivering stable viewing quality.

After encoding, the device outputs up to four SPTS streams via UDP or RTP protocols. This allows the encoder to integrate smoothly into IPTV headends, local media networks and commercial TV distribution systems.

With a web-based graphical management interface and flexible rack or wall mounting support, the MC-IP8100ST4HD provides a practical and professional solution for converting HD sources into stable IPTV streams.

01**Network Streaming**

Delivers stable IP stream output for professional headend and IPTV network

02**Protocol Output**

Supports UDP and RTP streaming protocols for flexible integration with IP-based TV

03**Service Selection**

Enables flexible service selection and channel organization according to project

04**User-Friendly Interface**

Provides an intuitive web-based interface for simplified configuration and operational

05**Signal Processing**

Includes professional stream processing functions for reliable content conversion

06**Flexible Installation**

Designed for professional rack installation with practical deployment flexibility.

Application Note

A professional HD video encoder for IPTV and AV distribution networks, allowing multiple HD sources to be converted into SPTS IP streams. It is ideal for hospitality TV systems, digital signage networks, education facilities and commercial projects requiring centralised HD content delivery.

Technical Specifications

HD INPUT & IP OUTPUT

Input Interface	8 x HD input interfaces
Input Output Protocols	UDP / RTP
HD Output Format	Up to 4 SPTS streams
Resolution Support	480i up to Full HD 1080p60

ENCODING SYSTEM

Video Encoding	H.264
Audio Encoding	MPEG / AAC
Management	Web-based user interface
Installation	Rack-mounted; dual brackets

GENERAL

Input Source	4 HD video inputs
Stream Capacity	4 SPTS output streams
Video Encoding	H.264
Audio Encoding	MPEG / AAC
Streaming Protocols	UDP / RTP
Bitrate Control	Adjustable
Installation	Rack-mount and wall-mount support

