



SC90.1000

16-Port IPTV System

1080p@60Hz, H.264 Encoding



Key Features

- 16-Ports in a 3RU Chassis
- Supports H.264 Encoding
- 16 x HDMI Inputs
- Resolutions up to 1080p/60Hz
- Embedded HiLinux System
- Create and Edit Channel List
- Web Browser GUI for easy setup
- Friendly, simple IR Control



16 Encoded HDMI inputs



Resolutions up to 1080p@60Hz



User friendly IR remote

Description

The SC90.1000 system supports 16 x HDMI inputs with resolutions up to 1080p and encodes each signal using H.264 with high performance video compression. Individual encoder cards are easily configured using a user friendly web browser GUI (Graphic User Interface) with no specialist programming required.

Set Top Boxes (STB) provide Full HD 1080p video with a single HDMI connection and provide a user friendly, easy to use infra-red remote control. The remote can be programmed to operate the TV's basic functions, removing the need for two remotes for general TV viewing and an editable program channel list makes it easy to select channels.

Multiple chassis can be used to create larger systems and hot swap encoder cards make servicing or repairs quick and easy without system interruption.

This system is ideal for commercial installations and provides the basic requirements for any hospitality environment.

Series Order codes

SC90.1000 - Card Frame + PSU's

SC90.1001 - Encoder Card

SC90.1101 - Individual Encoder

SC90.1104 - 4 Channel Encoder

SC90.1616 - 16 Channel Card Frame

SC90.1050 - Set Top Box

SC90.0201 - Remote Control



Specifications

Technical	
HDMI Inputs	Up to 16 Cards per Chassis
Input Video Resolutions	Up to 1920 x 1080@60Hz
Output Video Resolutions	Up to 1920 x 1080@60Hz
Data Rate	0.1 Mbps ~ 32 Mbps
Rate Control	CBR / VBR
GOP Structure	IBBP
Advanced Pretreatment	De-Interlacing, Noise Reduction, Sharpening
Video Encoding	H.264
Audio	Encoding - AAC
	Sampling Rate - Auto
	Bit Rate - 48K/64K/96K/128K/160K/192K
	Sampling - 24 Bit
	Data Rate - 64Kb/s ~ 384Kb/s
System	
Ethernet	100 Base-T Ethernet Interface
Protocol	RTMP, RTSP, UDP, HTTP, HLS, FLV, ONVIF
User Interface	Web GUI - Default IP http://192.168.1.168
Connectors	
Transmitter / Encoder Inputs	1 x HDMI Type A (19-Pin Female) per Card
	1 x RJ45 Socket (Ethernet 10/100)
Receiver / STB Outputs	1 x HDMI Type A (19-Pin Female)
	1 x 3.5mm Jack Socket (AV Output)
Power	
Transmitter - Power Adaptor	Input - 110~240V, 50/60Hz Consumption - 90 Watts (Full Chassis)
Receiver - Power Adaptor	Input - 110~240V, 50/60Hz Output - DC 12V/1A Consumption - 7 Watts
Environmental	
Operating Temperature	32 to 104°F / 0 to 40°C
Storage Temperature	-4 to 140°F / -20 to 60°C
Relative Humidity	20 to 90% RH (no condensation)
Mechanical	
Housing	19" x 3RU Aluminium Card Frame
Dimensions - Tx and Rx	(W) 483 x (D) 300 x (H) 133mm
Weight - Tx and Rx	6.5Kg



System Diagram

HDMI Sources
1 to 8



HDMI Sources
9 to 16



SC90.1000
Encoder Chassis

Core Switch
Gigabit Ethernet



Fibre

