CatCast

HEP10-V2	IP Gateway

SRT/HTTP/UDP/RTP/RTSP/HLS → **SRT/HTTP/ UDP/HLS/RTMP/RTSP**

Outline

Catcast HEP10-V2 IP Gateway is a device which is used for the protocol conversion scenarios and streaming media distribution scenarios. It supports LCD display and has press buttons, it can convert the broadcast network IP stream over SRT, HTTP, HTTPS, UDP, RTP, RTSP and HLS protocol. The system can achieve the integration by receiving a variety of commercial streaming media services. Also, the system can provide streaming media services directly.
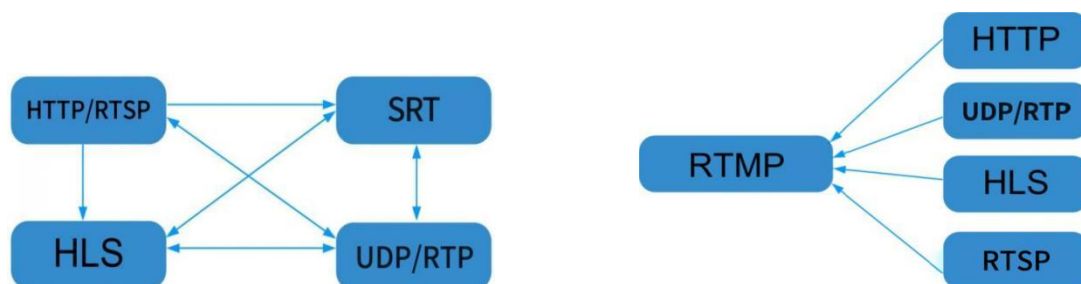
Key Features

● **4 Data ports for input/output, it default ETH0 is output,ETH1 is NMS, ETH0 and ETH1 both are 1000Mbps, ETH2/ETH3 is 2.5G, and as input port**

   Data port: IP in over SRT, HTTP, HTTPS,UDP (SPTS), RTP (SPTS), RTSP and HLS

   IP out over SRT, HTTP, UDP (SPTS) HLS RTP/RTSP and RTMP (Unicast)

● **Support IP anti-jitter function**

● **HDMI and USB port just be testing port**

● **Support up to 70 HD programs**

● **Control via web-based NMS management through ETH1 port**

IP Protocol Conversion

General Principle Chart

Specifications

Input	IP input through ETH2/ETH3 (2.5G) over SRT, HTTP/HTTPS, UDP(SPTS), RTP(SPTS), RTSP and HLS.	
IP output	IP out through ETH0 (1000M) over SRT(Unicast), HTTP (Unicast), UDP(SPTS, Multicast) HLS and RTMP(Program source should be H.264 and AAC encoding)	
System	Web-based NMS management through DATA port	
General	Demission	230mm×150mm×50mm (WxLxH)
	Temperature	0~45℃(operation), -20~80℃(storage)
	Power Supply	AC100V±10%, 50/60Hz or AC 220V±10%, 50/60Hz

Test data for reference

Protocol conversion	Bit-Rate	Programs
UDP to SRT/HLS		70
HLS to SRT		50
HLS to UDP/RTMP	8Mbps	40
UDP to HTTP/RTSP/RTMP		25
SRT to UDP/HLS		25