



NEP10

IP Gateway

SRT/HTTP/UDP/RTP/RTSP/HLS



SRT/HTTP/UDP/HLS/RTMP/RTSP



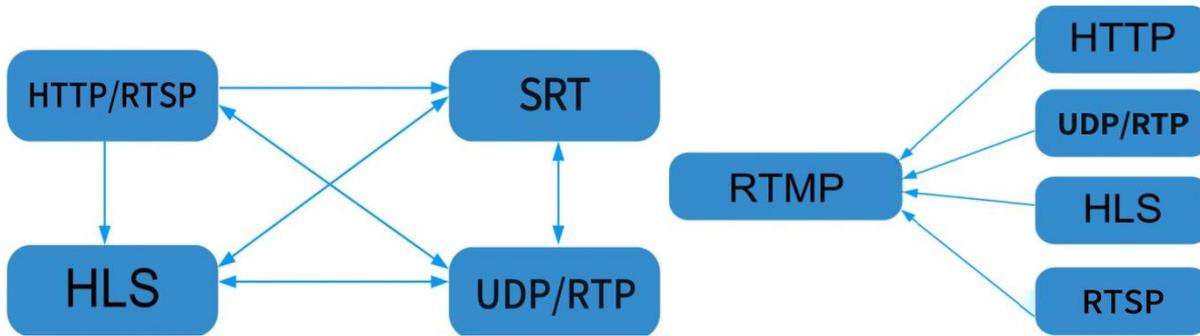
Outline

Dexin NEP10 IP Gateway is a device which is used for the protocol conversion scenarios and streaming media distribution scenarios. It can convert the broadcast network IP stream over SRT, HTTP, 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

- **2 Data ports for input/output, Data1 is 1000Mbps, Data2 is 400Mbps**
Data port: IP in over SRT, HTTP, 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**
- **Support about 8-12 HD/SD programs (Bitrate:8Mbps) When UDP (Multicast) convert into SRT/HTTP/RTP/RTSP/HLS**
- **Control via web-based NMS management through DATA port**

IP Protocol Conversion



General Principle Chart



Specifications

IP Input	IP input through DATA1/DATA2 (1000M/400M) over SRT, HTTP, UDP(SPTS), RTP(SPTS), RTSP and HLS.	
IP output	IP output through DATA1 (1000M) over SRT(Unicast), HTTP (Unicast), UDP(SPTS, Multicast) HLS and RTMP(Program source should be H.264 and AAC encoding)	
System	Support about 8-12 HD/SD programs (Bitrate:8Mbps) When UDP (Multicast) convert into HTTP/RTP/RTSP/HLS Web-based NMS management through DATA port	
General	Demission	180mm×110mm×40mm (WxLxH)
	Temperature	0~45°C(operation), -20~80°C(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/HTTP/RTP/RTSP/HLS/RTMP	3Mbps	20
UDP to SRT	8Mbps	10
UDP to HTTP		12
UDP to RTP/RTSP		12
UDP to RTMP		12
UDP to HLS		12

Protocol conversion	Bit-Rate	Programs
SRT to UDP/RTP/RTSP/HLS	3Mbps	20
SRT to UDP	8Mbps	12
SRT to RTP/RTSP		12
SRT to HLS		12