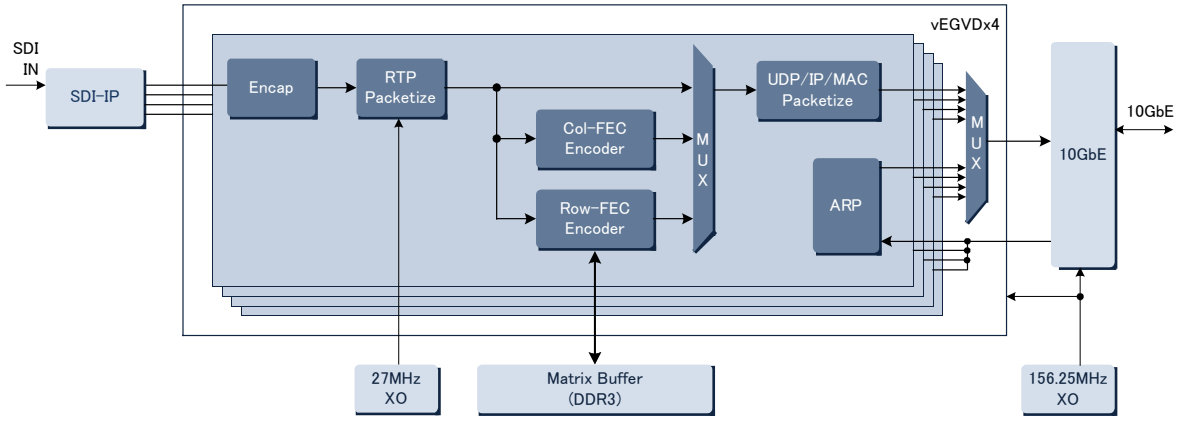
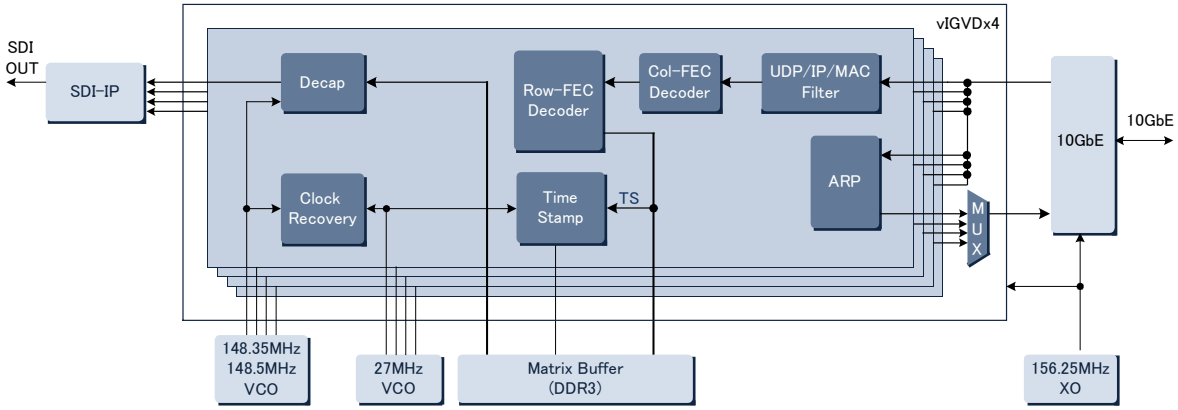
IP_SMPTE2022_VD

The IP_SMPTE2022_VD of your Video-over-IP family is based on SMPTE ST2022-5 and -6 standards. When receiving network packets, this core uses the Real-time Transport Protocol (RTP) including timestamp for clock recovery. This core has bust-error correction blocks, Col-FEC and Row-FEC, so that it can correct the receiving data in case of packet loss and/or packet reordering in the network. The core has two types, one is a transmitter (vEGVDx4) and the other a receiver (vIGVDx4). The line faster than 10 GbE is optional.

	Features	vEGVD	vIGVD
1.	Transmitting 20-bit parallel data from multiple ports at 3G or HD rate. Optional for SD.	✔	
2.	Receiving 20-bit parallel data in multiple ports at 3G or HD rate. Optional for SD.		✔
3.	Using UDP/RTP protocol based on SMPTE ST2022-6-2007	✔	✔
4.	Error correcting function based on SMPTE ST2022-5-2007	✔	✔
5.	MAC/IP/UDP filtering.		✔
6.	Supporting IPv4. Optional for IPv6	✔	✔
7.	Optional for ARP	✔	✔
8.	SMPTE ST2022-7 (Hitless) is optional	✔	✔





IP_SMPTE2022_TS

The IP_SMPTE2022_TS of our Video-over-IP family is based on SMPTE ST2022-1 and -2 standards. When receiving network packets, this core uses the Real-time Transport Protocol (RTP) including timestamp for clock recovery. This core has burst-error correction blocks, Col-FEC and Row-FEC, so that it can correct the receiving data in case of packet loss and/or packet reordering in the network. The core has two types, one is a transmitter (vEGTSx4) and the other a receiver(vIGTSx4). The line faster than 1 GbE is optional.

	Features	vEGTS	vIGTS
9.	MPEG-TS Over IP transmitting	✔	
10.	MPEG-TS Over IP receiving		✔
11.	Using UDP/RTP protocol based on SMPTE ST2022-2-2007	✔	✔
12.	Error correcting function based on SMPTE ST2022-1-2007	✔	✔
13.	MAC/IP/UDP/RTP filtering		✔
14.	Supporting IPv4 as a default. Optional for IPv6	✔	✔
15.	Optional for ARP.	✔	✔
16.	Supporting TTS (TS with a timestamp)	✔	✔