



Comparison: CXP with Current Standards

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	CoaXPress	Camera Link	GigE Vision	IEEE-1394B	HD-SDI 3G-SDI
Single Speed	1.25 Gbps - 6.25 Gbps	2 Gbps (Base, 1 cable)	1 Gbps	768 Mbps	1.45 Gbps (HD-SDI)
Max Speed	N x 6.25 Gbps (N cables)	6 Gbps (Full, 2 cables)	2 Gbps (2 cables)	1.6 Gbps (2 cables)	2.9 Gbps (3G-SDI)
Link Cost	Medium	Medium	Medium / High	Low	Medium
Complexity	Medium	Low	High	Medium	Medium
Cabling	Coax	Custom multi-core	Cat-6	Complex, mass produced	Coax
Max Length	130 m / 40 m	10 m / 7 m	100 m	4.5 m	130 m / 100 m
Data Integrity	CRC	None	CRC / Resend	CRC	CRC
Real Time Trigger	Yes	Yes	No	No	No
Power over Cable	13 W / cable	PoCL: 4 Watt	PoE: 13 W	45 W	No

Comparison: CXP with Future Standards

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	CoaXPress	10 GigE Vision	HS Link	USB-3
Single Speed	1.25 Gbps - 6.25 Gbps	10 Gbps	3.125 Gbps	5 Gbps
Max Speed	N x 6.25 Gbps (N cables)	40 Gbps (4 cables)	N x 3.125 Gbps (N cables)	5 Gbps
Link Cost	Medium	High	Medium	Low (?)
Complexity	Medium	High	Medium	Low
Cabling	Coax	Cat-6 / Cat-6a / Cat-7	CX-4	Complex, but mass produced
Max Length	130m / 40m	37m / 100m / 100m	15m	3m
Data Integrity	CRC	CRC / Resend	CRC / Resend	CRC
Real Time Trigger	Yes	No / planned	Yes	No
Power over Cable	13 W / cable	Planned	No / Planned	Yes