Serial Video Standards

Standard	FPGA Implementation Possible?	FPGA Implementation Practical?	Reference Design or Core Available?
SDI (SMPTE 259M)	Yes	Yes, very competitive with ASSPs	Yes
HD-SDI (SMPTE 292M)	Yes	Yes, very competitive with ASSPs	Soon
DVB-ASI	Yes	Yes	Paritally
SMPTE 310	Yes	Yes	No
Firewire (IEEE 1394 A/B)	Probably	Large in FPGA ASSPs are cheap	Some on opencores.org
DVI and HDMI	Very hard for fully compliant solution	ASSPs are very cheap	No