

7.3 DC characteristics

table 7-3 DC characteristics ($-30^{\circ}\text{C} < T_J < 85^{\circ}\text{C}$)

symbol	parameter	min	typ	max ^a	unit
supply					
V _{DD-A}	supply voltage (analog)	2.6	2.8	3.0	V
V _{DD-D}	supply voltage (digital core for 2-lane MIPI up to 900 Mbps/lane)	1.14	1.2	1.26	V
V _{DD-IO}	supply voltage (digital I/O)	1.7	1.8	1.9	V
I _{DD-A}	active (operating) current		15.5	20	mA
I _{DD-IO}			2.3	3	mA
I _{DD-D}			40	54	mA
I _{DDS-SCCB}	standby current ^b		120	2000	μA
I _{DDS-XSHUTDN}			0.5	10	μA
digital inputs (typical conditions: AVDD = 2.8V, DVDD = 1.2V, DOVDD = 1.8V)					
V _{IL}	input voltage LOW			0.54	V
V _{IH}	input voltage HIGH	1.26			V
C _{IN}	input capacitor			10	pF
digital outputs (standard loading 25 pF)					
V _{OH}	output voltage HIGH	1.62			V
V _{OL}	output voltage LOW			0.18	V
serial interface inputs					
V _{IL}	SCL and SDA	-0.5	0	0.54	V
V _{IH}	SCL and SDA	1.28	1.8	3.0	V

a. maximum active current is measured under typical supply voltage

b. standby current is measured at room temperature with external clock off