Signal	Description	Min	Тур	Max
	EMV hardware propagation delay		10 ns	
	(3.3V TTL to trigger)			
	MV hardware propagation delay		8 us ON	
t1	(5V to trigger optocoupler)		30 us OFF	
			(Note 1)	
	MV hardware propagation delay		2.5 us ON	
	(12V to trigger optocoupler)		40 us OFF	
	5.1	1.0	(Note 1)	7 00 (101)
t2	Debounce time	1.0 us	1 us (default for Rev 4)	50.0 us (default for Rev 3)
t3	Programmable GPO delay	0.0 us	in 10 us	2.5 sec
			steps	
t4	Start of trigger to start of GPO		9.0 us	
	(t1+t2+t3+t15)			
t5	Programmable GPO time	10.0 us	in 10 us	2.5 sec
t6	Programmable integration delay	0.0 us	steps in 10 us	2.5 sec
			steps	
t7	Start of trigger to start of integration		25.0 us	
	integration		(Note 2)	
40	(t1+t2+t6+t17) Integration time	10.0 us	in 10 us	1.0.555
t8	Integration time	10.0 us	steps	1.0 sec
t9	End of integration to start of read out		21.0 us	
t10	Read out time		See <u>Readout</u> <u>Times</u>	
t11	End of read out to start of trigger	19 us (no updates)	depends on updates	1.0 ms (with descriptors)
t12	Start of trigger to start of busy		t1 + t2	
t13	End of busy to start of trigger		25.0 ns	
t14	Frame period		t7 + t8 + t9 + t10 + t11	
.4.5	EMV hardware propagation delay		20 ns	
t15	(3.3V TTL from GPO)			
&	MV hardware propagation delay		3 us ON	
t16	(GPO optocoupler with 1K pullup to 5V)		43 us	
	pullup to 5 v)		OFF	
			(Note 1)	
t17	Global shutter setup time		11.5 us	