DivioTec PC-based NVR Performance Test

1. a) Test environment:

   CPU: Depend on corresponding model

   OS: Windows 7 Ultimate [64-bit]

   RAM: 4G (The minimum requirements for Milestone)

   VMS: Milestone XProtect Professional 2017R1

   Camera resolution: 1920x1080 (2M) Bitrate: 4 Mbps (CBR)

2. b) Test process:

   1. Configuretheresolutionofcameraat1M/2Mandaddthecameraonebyone in Milestone.
   2. Monitor the CPU usage of windows and check if the CPU usage reaches to 70%. In other words, stop add camera when CPU usage reaches to 70%.
   3.
   4. Check if the live view in Milestone is smooth or not and without Frame dropped.
   5. Playback the recording archive and make sure the FPS is correct and video cannot be interrupted.

Model Name		Test Criteria	1ch	2ch	4ch	8ch	16ch	32ch	64ch	128ch
NRM300 Intel® Core™ i7-620M QM57		Recording at 2MP(1080P)@30fps	●	●	●	●	●	●		
		Live View/Playback at 2MP(1080P)@30fps	●	●	●					
		Live View/Playback at D1(704×576)@30fps	●	●	●	●				
		Live ViewPlayback at CIF(352×288)@30fps	●	●	●	●	●			
NRM301 Intel Atom Baytrail		Recording at 2MP(1080P)@30fps	●	●	●	●	●	●		
		Live View/Playback at 2MP(1080P)@30fps	●							
		Live View/Playback at D1(704×576)@30fps	●	●	3ch					
		Live ViewPlayback at CIF(352×288)@30fps	●	●		●	12ch			
NRM302 Intel® Core™ i5-4300U		Recording at 2MP(1080P)@30fps	●	●	●	●	●	●	●	
		Live View/Playback at 2MP(1080P)@30fps	●	●	●					
		Live View/Playback at D1(704×576)@30fps	●	●	●	●	12ch			
		Live ViewPlayback at CIF(352×288)@30fps								
NRM302 Intel® Core™ i7-4650U		Recording at 2MP(1080P)@30fps	●	●	●	●	●	●	●	
		Live View/Playback at 2MP(1080P)@30fps	●	●	●	5ch				
		Live View/Playback at D1(704×576)@30fps	●	●	●		14ch			
		Live ViewPlayback at CIF(352×288)@30fps								
NRM303 Intel® Core™ i7-5650U		Recording at 2MP(1080P)@30fps	●	●	●	●	●	●	●	
		Live View/Playback at 2MP(1080P)@30fps	●	●	●	5ch				
		Live View/Playback at D1(704×576)@30fps	●	●	●	●				
		Live ViewPlayback at CIF(352×288)@30fps	●	●	●	●	13ch			
NRM304 IIntel® Core™ i3-5010U		Recording at 2MP(1080P)@30fps	●	●	●	●	●	●	●	
		Live View/Playback at 2MP(1080P)@30fps	●	●						
		Live View/Playback at D1(704×576)@30fps	●	●	●	●				
		Live ViewPlayback at CIF(352×288)@30fps								
NRM304 IIntel® Core™ i7-5650U		Recording at 2MP(1080P)@30fps	●	●	●	●	●	●	●	
		Live View/Playback at 2MP(1080P)@30fps	●	●	●	5ch				
		Live View/Playback at D1(704×576)@30fps	●	●	●	●				
		Live ViewPlayback at CIF(352×288)@30fps	●	●	●	●	13ch			
NRM310 Intel® Core™i7-3517UE		Recording at 2MP(1080P)@30fps	●	●	●	●	●	●	●	
		Live View/Playback at 2MP(1080P)@30fps	●	●	●	5ch				
		Live View/Playback at D1(704×576)@30fps	●	●	●	●	10ch			
		Live ViewPlayback at CIF(352×288)@30fps	●	●	●	●	●	18ch		
NRM311 Intel® Core™ i7-4650U		Recording at 2MP(1080P)@30fps	●	●	●	●	●	●	●	
		Live View/Playback at 2MP(1080P)@30fps	●	●	●	5ch				
		Live View/Playback at D1(704×576)@30fps	●	●	●		14ch			
		Live ViewPlayback at CIF(352×288)@30fps								
NRP400 Intel® Core™ i7-4770TE Q87		Recording at 2MP(1080P)@30fps	●	●	●	●	●	●	●	
		Live View/Playback at 2MP(1080P)@30fps	●	●	●	7ch				
		Live View/Playback at D1(704×576)@30fps	●	●	●	●				
		Live ViewPlayback at CIF(352×288)@30fps	●	●	●	●	●	●	●	
NRM500 Intel® Core™ i7-2600 Q67		Recording at 2MP(1080P)@30fps	●	●	●	●	●	●	●	●
		Live View/Playback at 2MP(1080P)@30fps	●	●	●	●				
		Live View/Playback at D1(704×576)@30fps	●	●	●	●	●			
		Live ViewPlayback at CIF(352× 288)@30fps	●	●	●	●	●	●	●	