Figure 1 FullSearch-block8-Window4,8,16,32
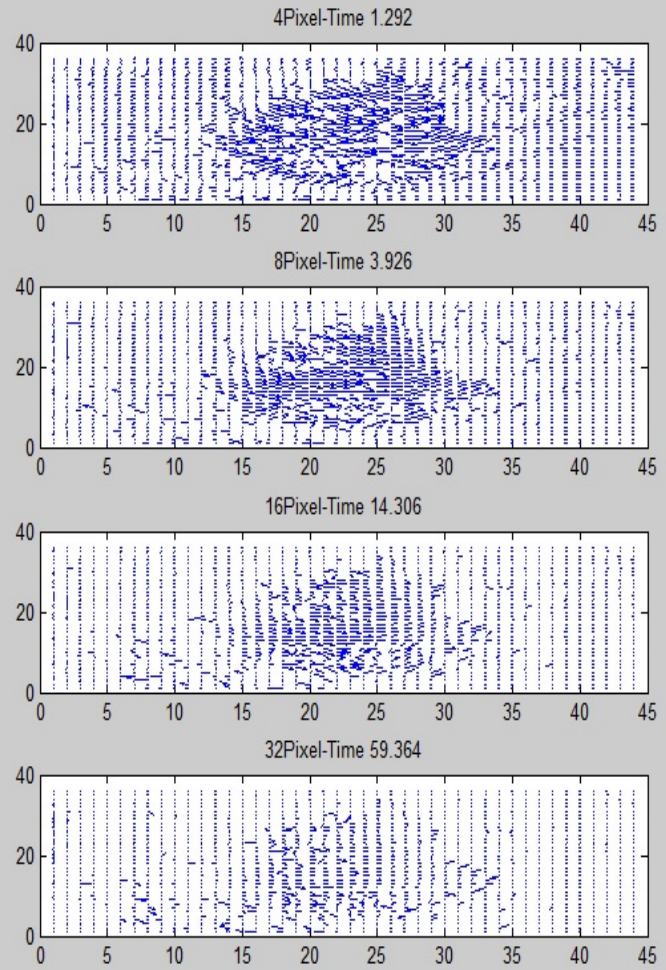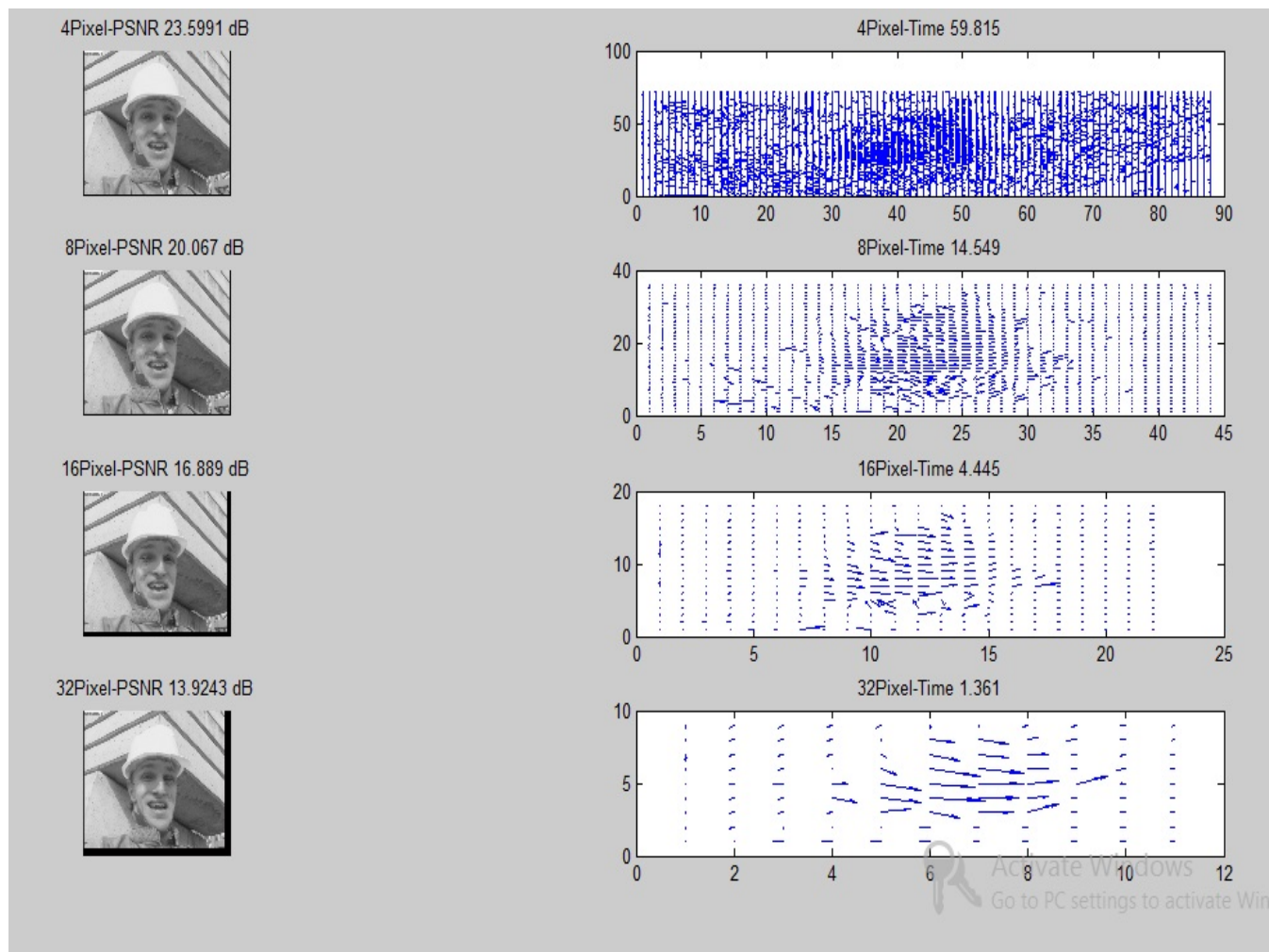
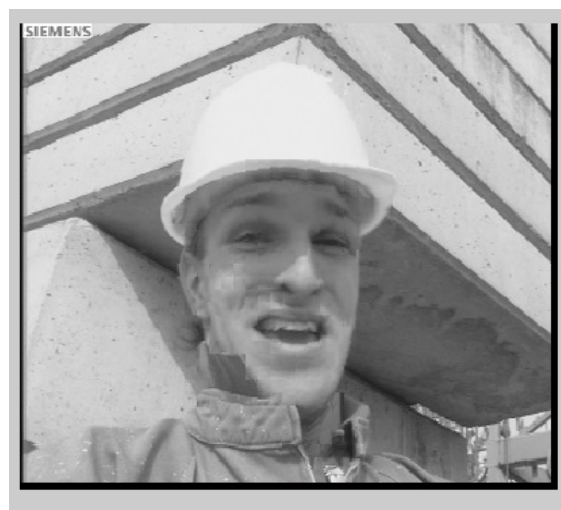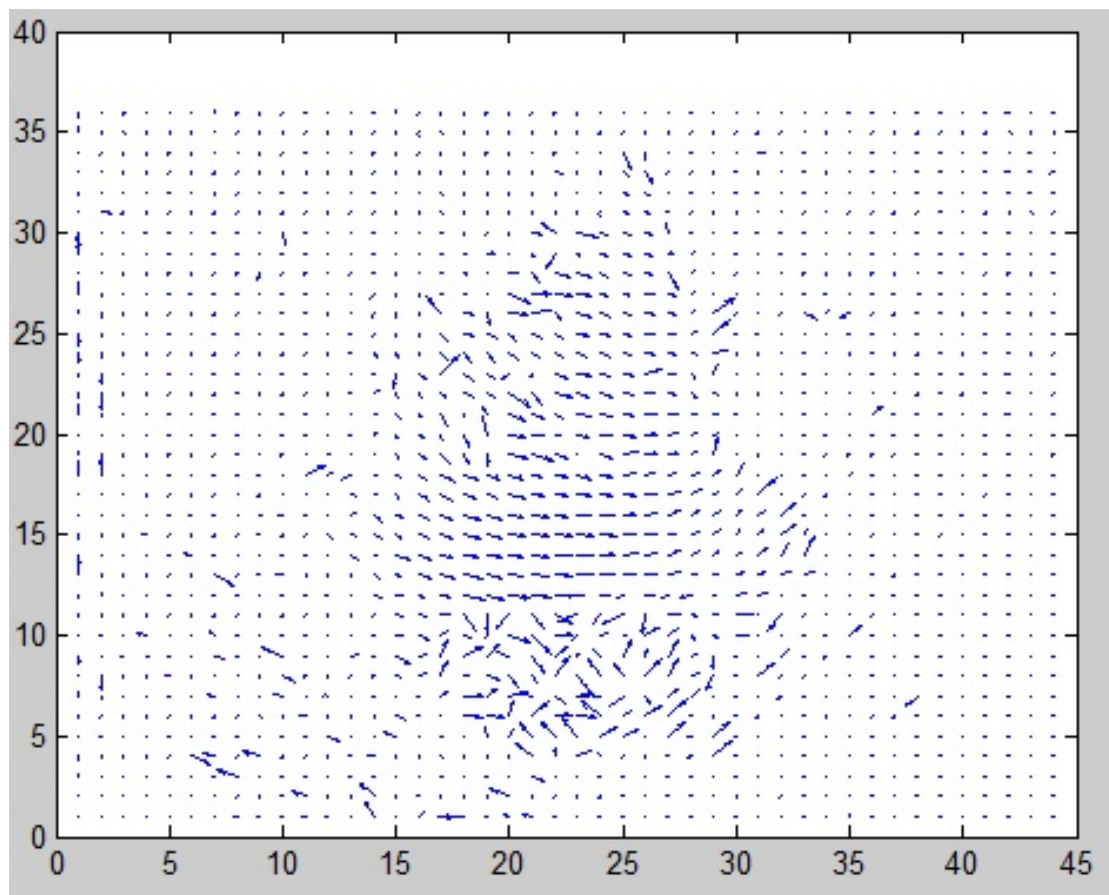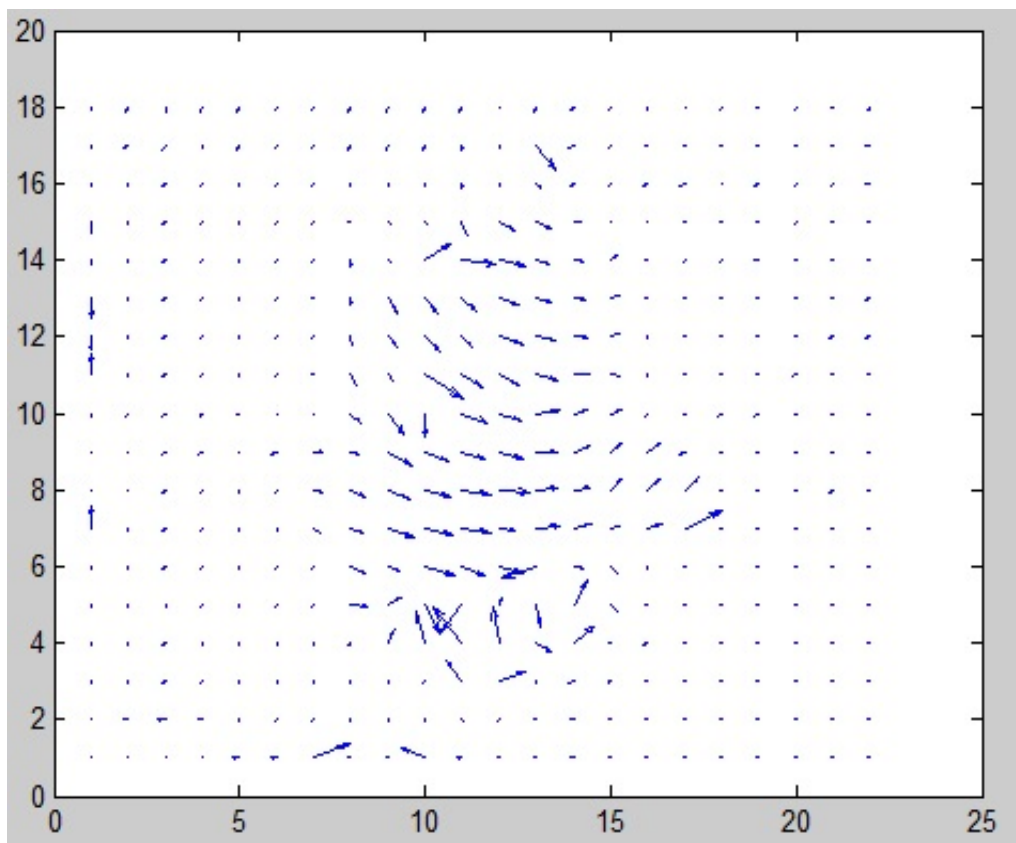*Figure 2 FullSearch-Window16-Block4,8,16,32*

Figure 3 MotionCompensate-Block8-Window

Figure 4 MotionVector-Block8-Window16-FSA

Figure 5 MotionCompensate-Block16-Window16-FSA

Figure 6 MotionVector-Block16-Wndow16-FSA

4Pixel-PSNR 19.7599 dB

Time 0.047 s

8Pixel-PSNR 19.8945 dB

Time 0.365 s

16Pixel-PSNR 19.854 dB
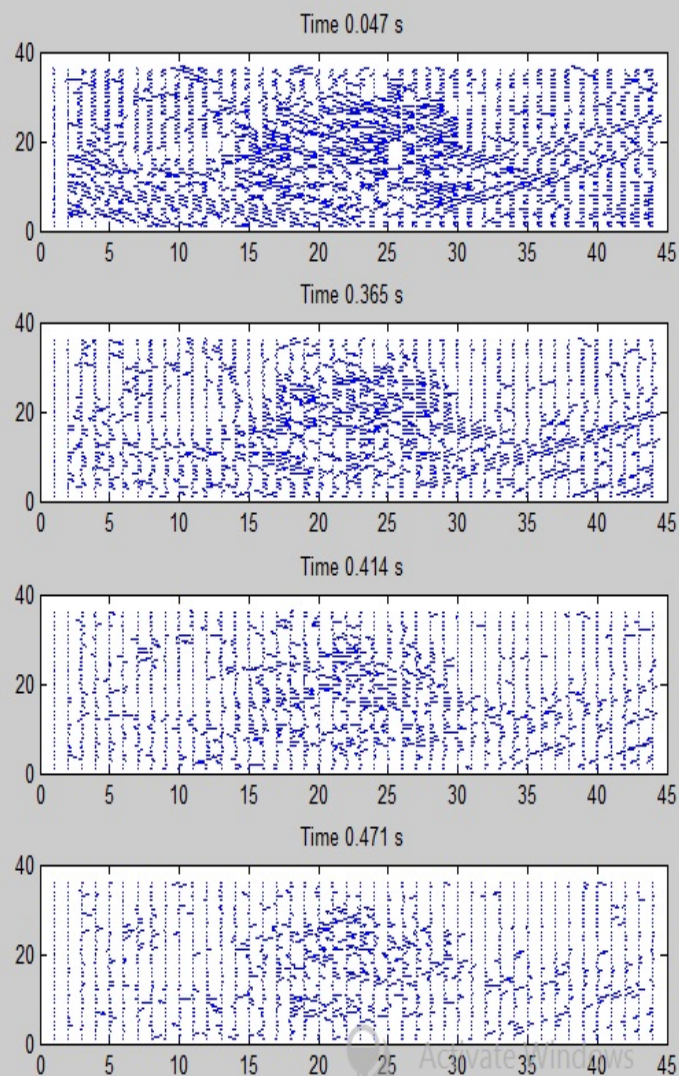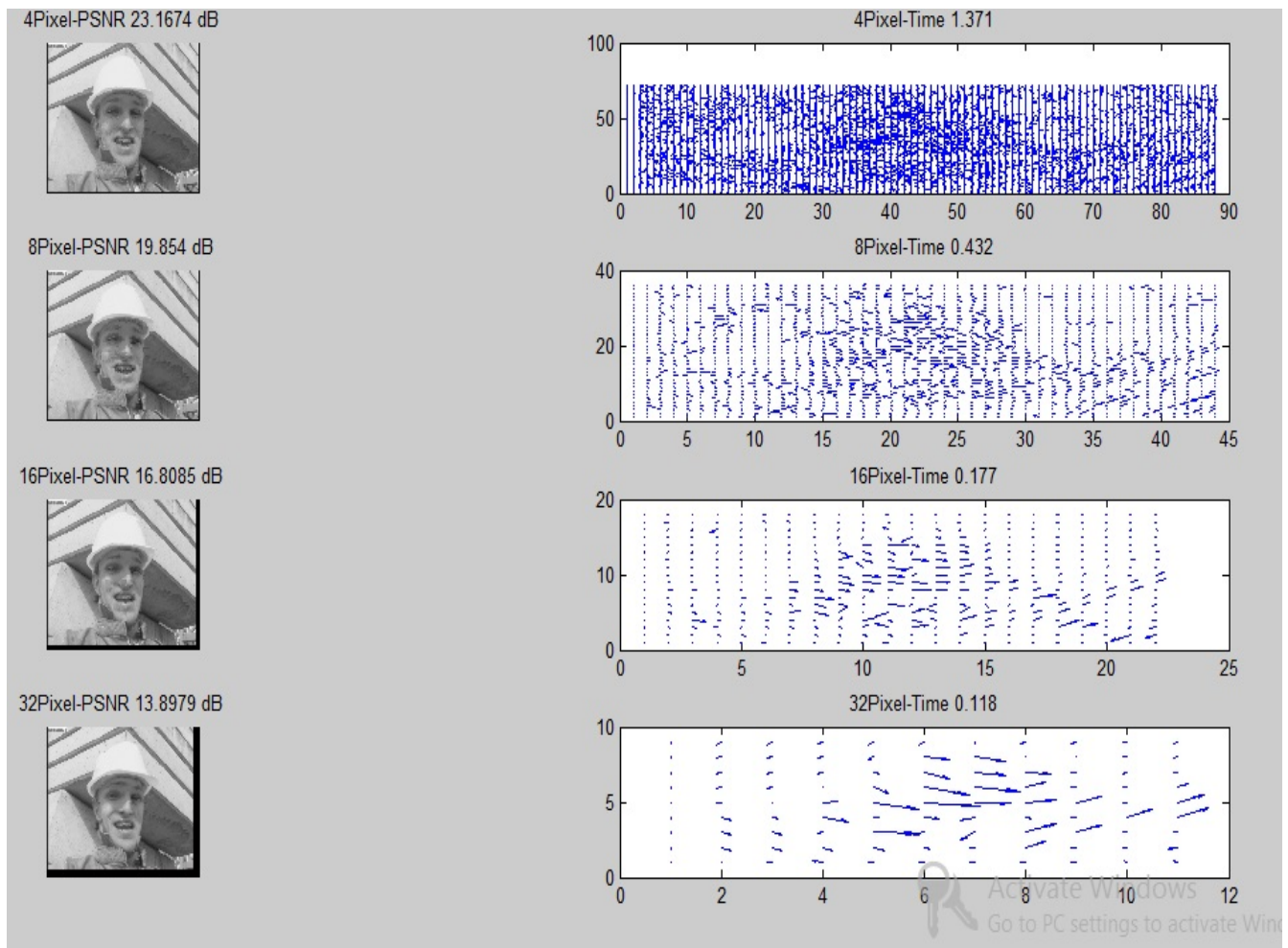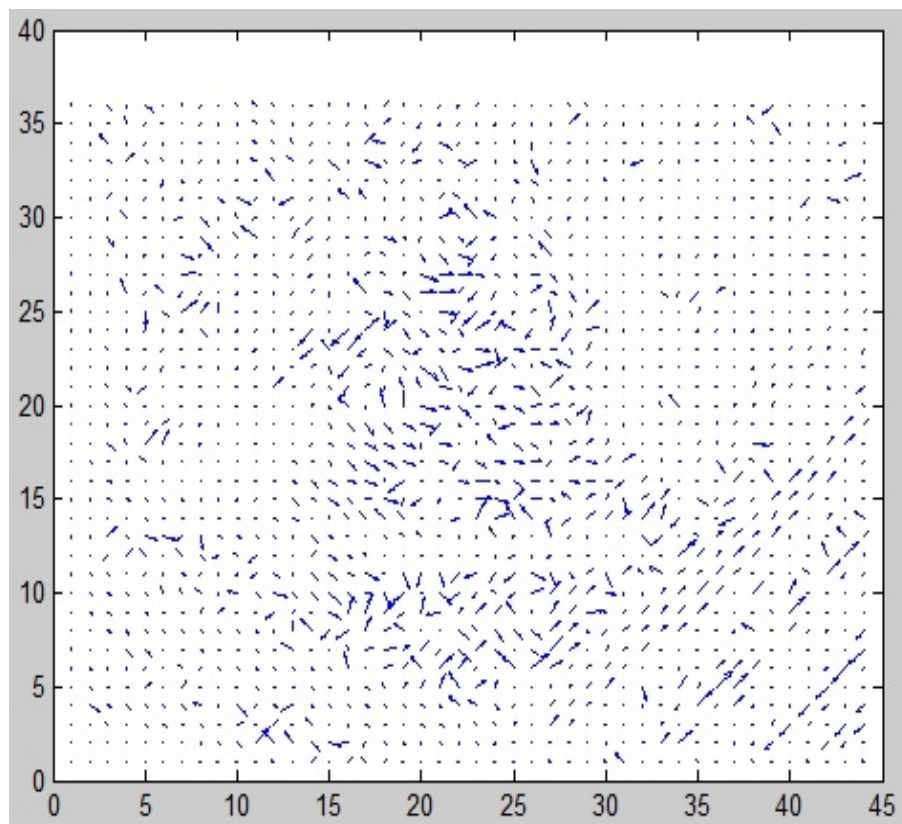
Time 0.414 s

32Pixel-PSNR 19.8198 dB

Time 0.471 s

Figure 7 CrossSearch-block8-Window4,8,16,32
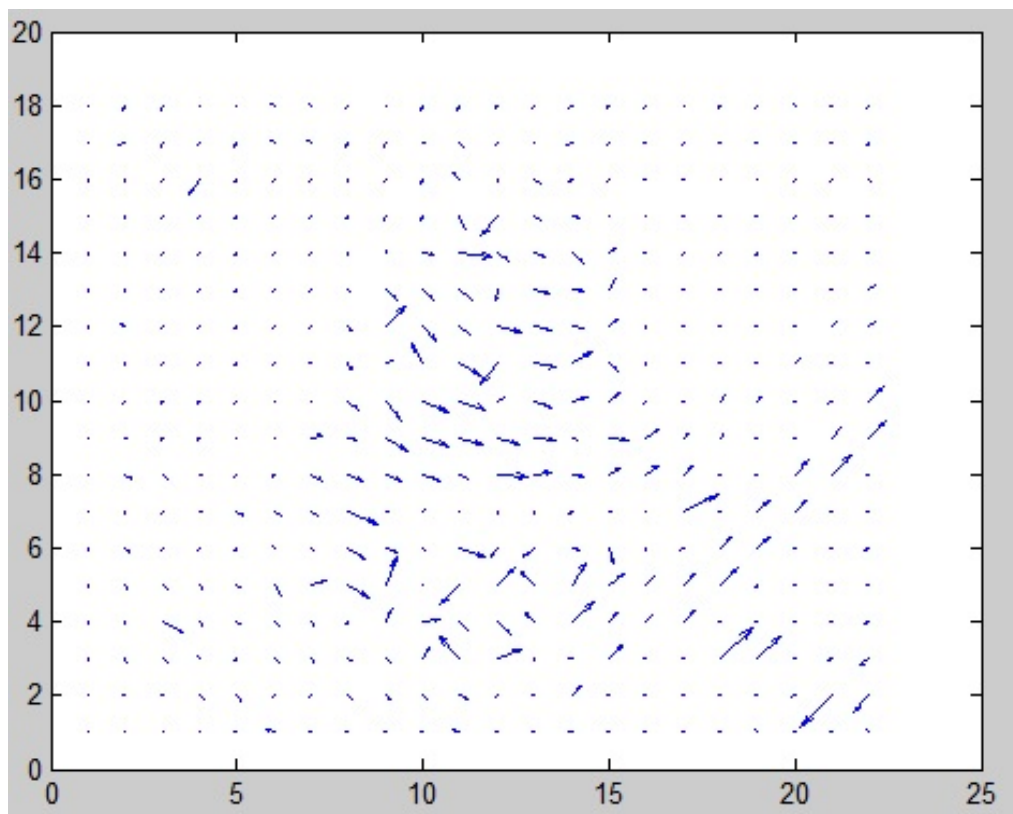
Figure 8 CrossSearch-Window16-Block4,8,16,32
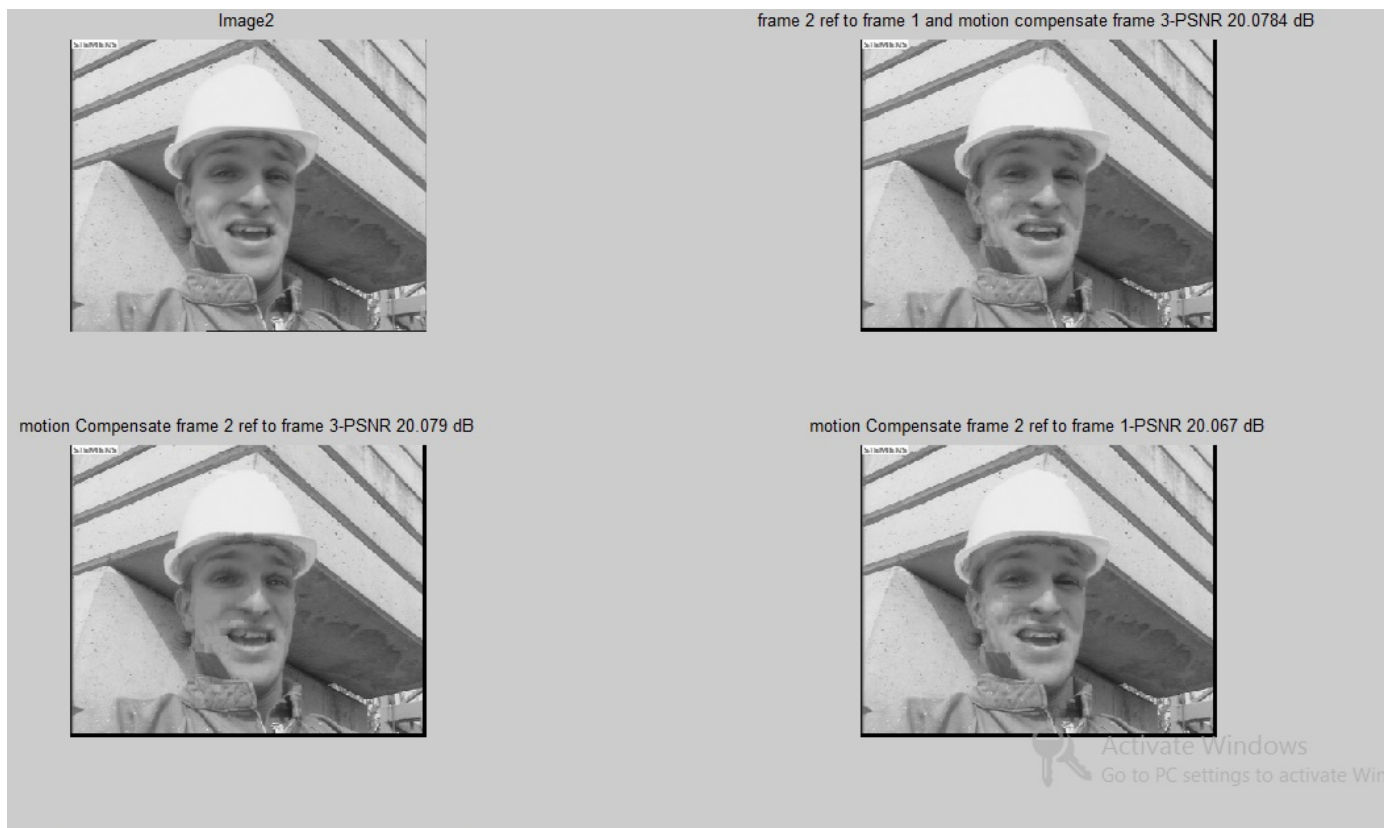

Figure 9 MotionCompensate-Block8-Window16-CSA

Figure 10 MotionVector-Block8-Window16-CSA

Figure 11 MotionVector-Block16-Wndow16-CSA

Image2

frame 2 ref to frame 1 and motion compensate frame 3-PSNR 20.0784 dB

motion Compensate frame 2 ref to frame 3-PSNR 20.079 dB

motion Compensate frame 2 ref to frame 1-PSNR 20.067 dB

Figure 12 Bi direction and single Direction motion estimation FSA

Image2

frame 2 ref to frame 1 and motion compensate frame 3-PSNR 19.9078 dB

motion Compensate frame 2 ref to frame 3-PSNR 19.8683 dB

motion Compensate frame 2 ref to frame 1-PSNR 19.854 dB

Figure 13 Bi direction and single Direction motion estimation CSA