com sur™

the missing piece of CCTV

COM-SUR™ EMPOWERS PEOPLE TO ACHIEVE OPTIMAL OUTCOMES FROM SURVEILLANCE VIDEO, LEADING TO A SAFER WORLD.

SOFTWARE

Operating System	Windows 8.1 or Windows 10
Recommended Software (for certain features)	Microsoft Office 2013 or above (Preferred), Adobe Reader, Windows Media Player
Miscellaneous	Supported Browsers - Internet Explorer 11 or above, Google Chrome, Mozilla Firefox, Minimum Screen Resolution - 1280 X 768

HARDWARE

Number of cameras and 'Windows'	**1 to 16 cameras in ONE 'Window'**	**16 to 48 cameras in THREE 'Windows'**	**48 to 64 cameras in FOUR 'Windows'**	**64 to 128 cameras in EIGHT 'Windows'**
Processor	Intel Core i5 (latest gen.) with base frequency of ≥ 3.6 Ghz	Intel Core i9 (latest gen.) with base frequency of ≥ 3.6 Ghz	Intel Core i9 (latest gen.) with base frequency of ≥ 3.6 Ghz	Intel Core i9 (latest gen.) with base frequency of ≥ 3.6 Ghz
Memory	8GB RAM	16GB RAM	16GB RAM	24GB RAM
Graphic Card	On-board graphics card	Quadro P620 2GB	Quadro P1000 4GB	Quadro P2000 5GB

Important note: The above sizing is approximate in nature and will also depend on the VMS/NVR/DVR being used. Therefore, please confirm the sizing with the VMS maker, your system integrator/IT team before proceeding.

	For installation of COM-SUR	**For storing the screenshots captured by COM-SUR**	
Hard Disk	Minimum 200MB (Recommended 500MB).	Minimum of 500GB to store screenshots of ONE 'Window' for approximately 30 days.	Minimum of 4TB to store screenshots of EIGHT 'Windows' for approximately 30 days.

Important note: The above recommendation is based on the consideration that the average size of each screenshot is approximately 200kb on a full HD monitor. The screenshot size may vary depending on several criteria such as the number of cameras, image complexity, screen resolution, etc.

Notes:

1. Depending on the number and type of cameras, and the existing IT infrastructure, you will need to consult your system integrator/IT team/computer installer to suggest other requirements like the *network infrastructure* and so on.

2. You must ensure that you are able to open _multiple instances_ ('Windows') of the VMS on the computer on which COM-SUR is installed. You will need to consult the VMS maker w.r.t. the total number of instances the VMS supports for live viewing.

3. In case of more than 32 cameras, it is recommended to use a VMS instead of browsers for better performance.

4. It is not recommended to display more than 16 cameras in one browser/VMS instance. While COM-SUR does not prevent you from displaying more than 16 cameras, for best results during the auditing process, 16 cameras or lesser are ideal.

5. You must have administrator rights/privileges to install as well as to _run_ COM-SUR for the _first_ time.

6. In case there are multiple programs/applications running concurrently along with COM-SUR, COM-SUR may not perform optimally. Also, the performance of COM-SUR will vary depending on the system configuration.

7. The system configuration and storage space requirements will increase in case you are using a _4K_ monitor.

8. You must add COM-SUR in the list of _'allowed programs/exceptions'_ in the respective anti-virus/application firewall program installed on the computer.

9. You must make the following selections in the _Settings_ of the Windows operating system:

Advanced power settings for all the power plans (High performance, Balanced, Power saver)	
Turn off hard disk	Never
Sleep mode	Never
Hibernate mode	Never
Lid close action (If using a laptop)	Do nothing
Processor power management	100%
Turn off display	Never
Lock screen settings	
Screen Saver	None