

# EMR5000

## Professional Megapixel NVR



- Optimized Hardware for Megapixel Recording
- Support 5 Hot-Swappable Hard Drives
- High Availability and Easy Maintenance
- In-house Design and Production with 3 Years Warranty
- Surveon Megapixel Quality Assurance Lab Certificated
- Pre-load Certified VMS
- Built-in RAID Protection for O.S. and Application (upon request)



Megapixel solutions are the key trend in video surveillance with the advanced benefit of 6-time better image clarity. However, high I/O, huge capacity, and stability of the overall system are major challenges for system integrators. Surveon's Certified Megapixel Recorders, allied with the most qualified partners in the industry, provide a high performance and reliable platform. Built-in with HW RAID, the EMR5000 secures the multi-channel megapixel recording performance. The industrial grade design of 5 HDD, 2 GLAN have made EMR5000 an absolute choice over the commercial PCs and the ideal solution for retail, gas station, residential and medium to small business field application.

### Performance Validation

Model	Total Channels	Camera Resolution	Camera Compression	Camera Bit Rate	FPS	Remote Client View	Validation*
EMR5008	8	1080P	H.264	6 Mbps	25	8	PASS
EMR5016	16	1080P	H.264	6 Mbps	25	16	PASS
EMR5020	20	1.3M	H.264	2 Mbps	25	20	PASS
EMR5025	25	1.3M	H.264	2 Mbps	25	25	PASS

\*Remarks:

- Tested with Milestone XProtect® Essential.
- Remote client view only
- RAID 5 rebuild and degrade mode will decrease the recording performance depending on the number of channels.

### Recording Days

Number of Channels	2M Cameras*	Max Recording Days (12 hrs/day)	Max Recording Days (24 hrs/day)
8	1920 x 1080	28	14
12	1920 x 1080	22	12
16	1920 x 1080	15	7
25	1920 x 1080	9	5

\* Base on 25 FPS @ 6 Mbps - Tested with Milestone XProtect® Essential.

### Professional Megapixel Recorder

	EMR5000	PC + Software	COTS Solution
Hardware	Professional NVR	Consumer PC	COTS
Design & Production	100% Own Design & Production	N/A	N/A
QA Validation	Full Tested (Hardware & Software)	N/A	N/A
Low Power	Yes	N/A	N/A
Local Display	N/A	Yes	N/A
Dimension	225(H) x 175(W) x 245(D) mm	360(H) x 165(W) x 392(D) mm	360(H) x 165(W) x 392(D) mm

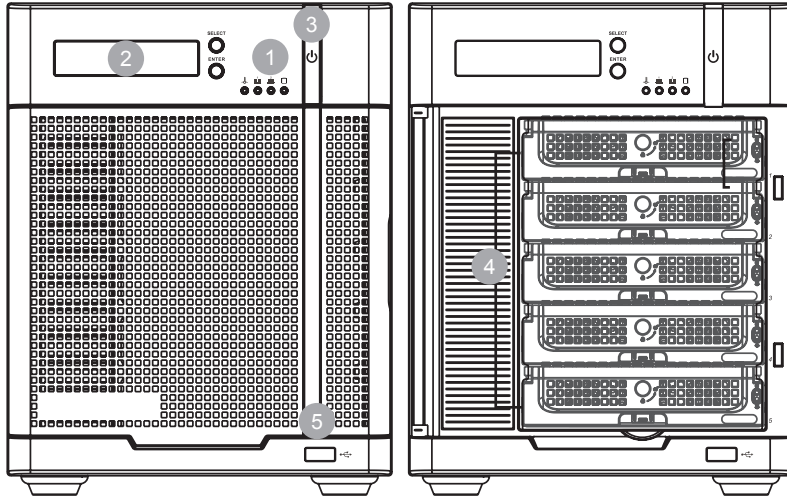
# EMR5000

## Professional Megapixel NVR

Certified Megapixel Recorder

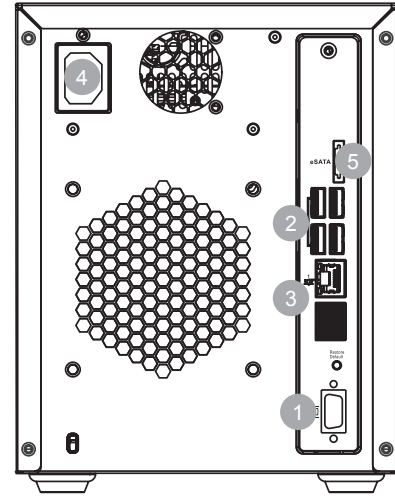
### Part Names and Functions

Front View



- ① LED Indicators
- ② LCD Display
- ③ Power Switch
- ④ Hot Swappable HD Tray
- ⑤ USB

Rear View



- ① VGA
- ② 4 x USB Rear
- ③ 2 x Gigabit Ethernet
- ④ Power Input
- ⑤ e-SATA

### Hardware Specifications

System Processor	Intel® Dual Core
System Memory	DDR3 2GB
Chipset	Intel® ICH9R
Storage	3.5" SATA HDDs x5; HDD hot swappable
I/O Interface	<ul style="list-style-type: none"> <li>• VGA: 1x D-Sub</li> <li>• RJ-45: 2x Gigabit Ethernet</li> <li>• USB2.0: 4x Rear/1xFront</li> <li>• E-SATA: x1</li> </ul>
Electrical	<ul style="list-style-type: none"> <li>• Input voltage: 100V~240V, 3.5A</li> <li>• Power Supply: 250W</li> </ul>
Operating Environment	<ul style="list-style-type: none"> <li>• Humidity: 5% to 80% (non-condensing)</li> <li>• Temperature: 5° to 40°C</li> </ul>
LCD Panel	Yes
LED Indicator	Yes
Dimensions	225(H) x 175(W) x 245(D) mm
Weight	5 Kg
Certificate	BSMI, CB, FCC / CE Class B, UL60959/ IEC 60950, CCC for power only, GOST

### Ordering Information

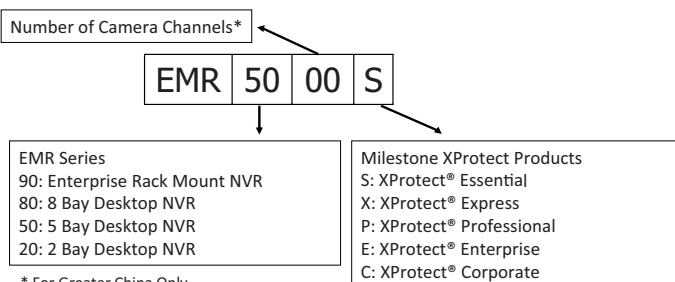
Barebone	
Part Number	Description
EMR5000A1	EMR5000 Professional Megapixel NVR System (without local display)

O.S. Pack & XProtect Installation Kit	
Part Number	Description
HEMR50C1A1-0010	1 HDD (2TB Desktop SATA HDD, 6Gb/s) + Windows 7 Professional, Non RAID
HEMR50C1C1-0010	1 HDD (2TB Desktop SATA HDD, 6Gb/s) + Windows 7 Ultimate, Non RAID, Multi Language

Milestone XProtect License*	
Part Number	Description
XLIC0XXXBYYY**	Milestone XProtect® Server License*** with Milestone XProtect® Camera License

\*For Greater China Only  
 \*\*XXX= Milestone XProtect Products (XProtect® Essential / Express / Professional / Enterprise / Corporate)  
 YYY= Number of Camera Channels  
 \*\*\*Milestone XProtect® Essential /Express Server Base License, Preload with 2 Camera License

### EMR5000 Series Part Numbers



### Optional Accessories

Part Number	Description
H72A1XA3XXDX-0030	Desktop, 2TB SATA HDD, 6Gb/s