EMR2000

Professional Megapixel NVR

- Compact and Optimized Hardware for Megapixel Recording
- Support 2 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

Hot Swappable HD — Hot Swappable HDD
Dual Core
Low Power — Low Power
NVR — Dual LAN
milestone Solution Partner

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. The EMR2000 secures the multi-channel megapixel recording performance. The industrial grade design of 2 HDD, 2 GLAN have made EMR2000 an absolute choice over the commercial PCs and the ideal solution for small retail, residential and small business field application.

Performance Validation

Model	Total Channels	Camera Resolution	Camera Compression	Camera Bit Rate	FPS	Remote Client View	Validation*
EMR2008	8	1080P	H.264	6 Mbps	25	8	PASS
EMR2016	16	1080P	H.264	6 Mbps	25	16	PASS
EMR2020	20	1.3M	H.264	2 Mbps	25	20	PASS
EMR2025	25	1.3M	H.264	2 Mbps	25	25	PASS

*Remarks:
- Tested with Milestone XProtect® Essential.
- Remote client view only

Recording Days

Number of Channels	2M Cameras*	Max Recording Days (12 hrs/day)	Max Recording Days (24 hrs/day)
4	1920 x 1080	30	15
8	1920 x 1080	15	7
12	1920 x 1080	10	5
16	1920 x 1080	7	4

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

Professional Megapixel Recorder

|	EMR2000	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	190(H) x 110(W) x 245(D) mm	360(H) x 165(W) x 392(D) mm	360(H) x 165(W) x 392(D) mm

www.surveon.com

Surveon
Complete Megapixel Solutions

EMR2000

Professional Megapixel NVR

Part Names and Functions

Front View
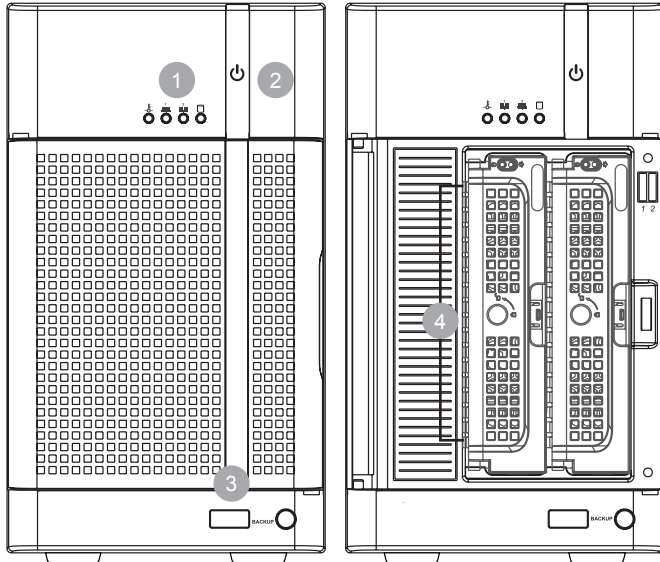
Rear View

①	LED Indicators	②	Power Switch
③	USB	④	Hot Swappable HD Tray
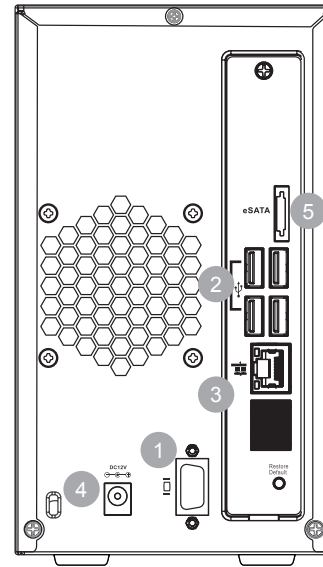
①	VGA	③	2 x Gigabit Ethernet	⑤	e-SATA (reserved)
②	4 x USB Rear (reserved)	④	12V DC In		

Hardware Specifications

System Processor	Intel® Dual Core
System Memory	DDR3 2GB
Chipset	Intel® ICH9R
Storage	3.5" SATA HDDs x2; HDD hot swappable
I/O Interface	• VGA: 1x D-Sub • RJ-45: 2x Gigabit Ethernet • USB2.0: 4x Rear/1xFront • E-SATA: x1
Electrical	• Input Voltage: 12VDC, 5A • Power Consumption (in operation): 43W
Operating Environment	• Humidity: 5% to 80% (non-condensing) • Temperature: 5º to 40ºC
LED Indicator	Yes
Dimensions	190(H) x 110(W) x 245(D) mm
Weight	3 Kg
Certificate	BSMI, CB, FCC / CE Class B, UL60959/ IEC 60950, CCC for power only, GOST

EMR2000 Series Part Numbers

Number of Camera Channels*

EMR	20	00	S

EMR Series
90: Enterprise Rack Mount NVR
80: 8 Bay Desktop NVR
50: 5 Bay Desktop NVR
20: 2 Bay Desktop NVR

Milestone XProtect Products
S: XProtect® Essential
X: XProtect® Express
P: XProtect® Professional
E: XProtect® Enterprise
C: XProtect® Corporate

* For Greater China Only
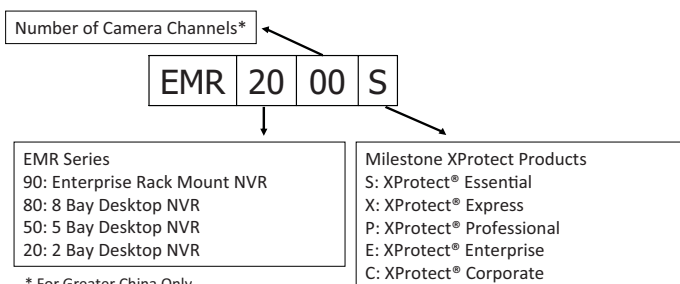
Ordering Information

Barebone	
Part Number	**Description**
EMR2000A1	EMR2000 Professional Megapixel NVR System (without local display)

O.S. Pack & XProtect Installation Kit	
Part Number	**Description**
HEMR20C1A1-0010	1 HDD (2TB Desktop SATA HDD, 6Gb/s) + Windows 7 Professional, Non RAID
HEMR20C1C1-0010	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
XLIC0XXXCYYY**	Additional 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

Optional Accessories

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

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