

Network Recording Market Forecasts to 2032 – Global Analysis By Type (Session Recording, Packet Capture, Call/Voice Recording, Video/Multimedia Recording, Screen/Activity Recording, and Other Types), Technology, Deployment Type, Organization Size, Application, End User and By Geography

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Abstracts

According to Statistics MRC, the Global Network Recording Market is growing at a CAGR of 15.2% during the forecast period. The process of capturing and storing data such as sound, video, and data packets transmitted via a network is known as network recording. It is primarily used for monitoring, analyzing, and ensuring compliance with regulatory standards in industries like telecommunications, banking, and healthcare. Network recording solutions can capture real-time communication sessions, network traffic, and user activities, providing insights into performance, security, and quality. These recordings are often used for troubleshooting, security monitoring, quality assurance, and compliance purposes.

Market Dynamics:

Driver:

Growing demand for network security

The rising frequency and sophistication of cyberthreats, including ransomware, phishing, and DDoS attacks, is driving the expanding demand for network protection in the network recording market. Strong network recording and monitoring technologies are required since the attack surface has grown due to the development of remote work,

digital transformation, and IoT connectivity. Additionally, companies are forced to implement secure procedures by regulatory compliance requirements like GDPR and data protection legislation. As organizations look for preventative measures against changing cyber threats, innovations in AI-powered threat detection and zero-trust architecture further increase the appeal of network security solutions and propel market expansion.

Restraint:

Data privacy concerns

The increasing volume of sensitive data being recorded and stored raises fears of potential breaches and misuse. Organizations face challenges in ensuring compliance with stringent data protection regulations like GDPR and CCPA, which demand robust security measures and transparency. Furthermore, consumer mistrust regarding the handling of personal data might affect adoption rates and diminish trust. High costs associated with implementing advanced encryption and secure storage solutions further complicate matters. Businesses must strike a balance between the necessity of thorough network recording and the requirement to protect privacy as cyber threats change, which creates a complex dynamic in the market's expansion.

Opportunity:

Cost-effective storage and management solutions

Cloud-based storage offers scalability and reduced infrastructure costs, while hybrid models balance affordability with security. Compression and deduplication technologies minimize storage needs, lowering expenses. Advanced analytics enable intelligent data tiering, moving less critical data to cheaper storage tiers. Edge computing minimizes bandwidth costs by processing data locally. Additionally, scalable object storage solutions provide durability at lower prices. By leveraging these strategies, businesses can optimize costs without compromising performance, ensuring efficient, secure, and compliant network recording storage and management.

Threat:

Lack of skilled personnel

The lack of skilled workers with knowledge of cyber-security, data analysis, and network

administration leads to operational difficulties as the need for sophisticated network recording solutions increases. Sophisticated systems are difficult for organizations to deploy and maintain, which can result in inefficiencies and vulnerabilities. Profitability is impacted by this talent gap, which also raises training and recruitment expenses. Furthermore, the rapid evolution of technology outpaces the availability of skilled workers, exacerbating the issue. Companies face heightened risks of system failures and security breaches due to inadequate expertise.

Covid-19 Impact:

The COVID-19 pandemic had a significant impact on the network recording market, accelerating the demand for remote communication monitoring and data management solutions. With businesses shifting to remote work and digital communication platforms, the need for monitoring and recording network traffic, video calls, and voice interactions grew to ensure security, compliance, and quality. Additionally, the rise in cyber threats during the pandemic further drove the adoption of network recording solutions for enhanced security and performance monitoring across organizations.

The cloud-based segment is expected to be the largest during the forecast period

The cloud-based segment is expected to account for the largest market share during the forecast period, due to their scalability, flexibility, and cost-effectiveness. Cloud platforms eliminate the need for expensive on-premises infrastructure, reducing operational costs. They offer easy access to recorded data from any location, making them ideal for remote work environments. Additionally, cloud solutions provide automated backups, advanced data management tools, and enhanced security, further driving their popularity among businesses seeking efficient and secure network recording capabilities.

The healthcare segment is expected to have the highest CAGR during the forecast period

Over the forecast period, the healthcare segment is predicted to witness the highest growth rate, owing to the need to ensure compliance with regulations like HIPAA and to protect sensitive patient data. Network recording allows healthcare providers to securely monitor communications and data exchanges, ensuring confidentiality and reducing the risk of breaches. Additionally, the rise of telemedicine and digital health tools has increased the need for reliable and secure recording of patient interactions and medical information.

Region with largest share:

During the forecast period, the Asia Pacific region is expected to hold the largest market share driven by rapid digital transformation, increasing internet penetration, and growing cyber-security concerns. As businesses and government sectors prioritize data security, there is a rising demand for network recording solutions to monitor communications, secure sensitive information, and ensure regulatory compliance. Additionally, the rapid adoption of cloud technologies and the growing e-commerce sector are further propelling the market's growth in countries like China, India, and Japan.

Region with highest CAGR:

Over the forecast period, the North America region is anticipated to exhibit the highest CAGR, fuelled by stringent regulatory compliance requirements across industries like banking, healthcare, and telecommunications. The increasing demand for enhanced cybersecurity and data privacy, coupled with the rise of remote work, is fueling the adoption of network recording solutions. Additionally, the region's advanced technological infrastructure, high cloud adoption, and growing need for real-time monitoring and quality assurance in various sectors further accelerate market growth.

Key players in the market

Some of the key players in Network Recording Market include Cisco Systems, Inc., Plantronics, Inc. (Poly), Verint Systems Inc., Aspect Software, Inc., NICE Systems Ltd., Ribbon Communications Inc., AudioCodes Ltd., VTech Communications, Inc., Avaya Inc., Mitel Networks Corporation, Enghouse Interactive, Toshiba Corporation, Samsung Networks, IBM Corporation, and Huawei Technologies Co., Ltd.

Key Developments:

In March 2025, Cisco will unveil its vision for agentic AI collaboration, along with new AI-powered collaboration solutions designed to create future proofed experiences for customers, employees and IT teams. Cisco is driving toward a future where AI anticipates customer and employee needs, addresses challenges, fulfils intent and further enhances productivity for all.

In March 2024, HP Inc. announced the completion of its acquisition of Poly, a leading global provider of workplace collaboration solutions. The deal is expected to accelerate

HP's strategy to create a more growth-oriented portfolio, further strengthen its industry opportunity in hybrid work solutions, and position the combined organization for long-term sustainable growth and value creation.

Types Covered:

Session Recording

Packet Capture

Call/Voice Recording

Video/Multimedia Recording

Screen/Activity Recording

Other Types

Technologies Covered:

IP-Based Network Recording

Legacy Systems

Deployment Types Covered:

On-Premises

Cloud-Based

Hybrid

Organization Sizes Covered:

Small and Medium-Sized Enterprises (SMEs)

Large Enterprises

Applications Covered:

Network Security

Compliance Recording

Quality Monitoring

Data Analysis and Insights

Surveillance and Monitoring

Other Applications

End Users Covered:

Telecommunications

Banking, Financial Services, and Insurance (BFSI)

Healthcare

Government

Retail

Other End Users

Regions Covered:

North America

US

Canada

Mexico

Europe

Germany

UK

Italy

France

Spain

Rest of Europe

Asia Pacific

Japan

China

India

Australia

New Zealand

South Korea

Rest of Asia Pacific

South America

Argentina

Brazil

Chile

Rest of South America

Middle East & Africa

Saudi Arabia

UAE

Qatar

South Africa

Rest of Middle East & Africa

What our report offers:

- Market share assessments for the regional and country-level segments
- Strategic recommendations for the new entrants
- Covers Market data for the years 2024, 2025, 2026, 2028, and 2032
- Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)
- Strategic recommendations in key business segments based on the market estimations
- Competitive landscaping mapping the key common trends
- Company profiling with detailed strategies, financials, and recent developments
- Supply chain trends mapping the latest technological advancements

Free Customization Offerings:

All the customers of this report will be entitled to receive one of the following free customization options:

Company Profiling

Comprehensive profiling of additional market players (up to 3)

SWOT Analysis of key players (up to 3)

Regional Segmentation

Market estimations, Forecasts and CAGR of any prominent country as per the client's interest (Note: Depends on feasibility check)

Competitive Benchmarking

Benchmarking of key players based on product portfolio, geographical presence, and strategic alliances

Contents

1 EXECUTIVE SUMMARY

2 PREFACE

- 2.1 Abstract
- 2.2 Stake Holders
- 2.3 Research Scope
- 2.4 Research Methodology
 - 2.4.1 Data Mining
 - 2.4.2 Data Analysis
 - 2.4.3 Data Validation
 - 2.4.4 Research Approach
- 2.5 Research Sources
 - 2.5.1 Primary Research Sources
 - 2.5.2 Secondary Research Sources
 - 2.5.3 Assumptions

3 MARKET TREND ANALYSIS

- 3.1 Introduction
- 3.2 Drivers
- 3.3 Restraints
- 3.4 Opportunities
- 3.5 Threats
- 3.6 Technology Analysis
- 3.7 Application Analysis
- 3.8 End User Analysis
- 3.9 Emerging Markets
- 3.10 Impact of Covid-19

4 PORTERS FIVE FORCE ANALYSIS

- 4.1 Bargaining power of suppliers
- 4.2 Bargaining power of buyers
- 4.3 Threat of substitutes
- 4.4 Threat of new entrants
- 4.5 Competitive rivalry

5 GLOBAL NETWORK RECORDING MARKET, BY TYPE

- 5.1 Introduction
- 5.2 Session Recording
- 5.3 Packet Capture
- 5.4 Call/Voice Recording
- 5.5 Video/Multimedia Recording
- 5.6 Screen/Activity Recording
- 5.7 Other Types

6 GLOBAL NETWORK RECORDING MARKET, BY TECHNOLOGY

- 6.1 Introduction
- 6.2 IP-Based Network Recording
- 6.3 Legacy Systems

7 GLOBAL NETWORK RECORDING MARKET, BY DEPLOYMENT TYPE

- 7.1 Introduction
- 7.2 On-Premises
- 7.3 Cloud-Based
- 7.4 Hybrid

8 GLOBAL NETWORK RECORDING MARKET, BY ORGANIZATION SIZE

- 8.1 Introduction
- 8.2 Small and Medium-Sized Enterprises (SMEs)
- 8.3 Large Enterprises

9 GLOBAL NETWORK RECORDING MARKET, BY APPLICATION

- 9.1 Introduction
- 9.2 Network Security
- 9.3 Compliance Recording
- 9.4 Quality Monitoring
- 9.5 Data Analysis and Insights
- 9.6 Surveillance and Monitoring
- 9.7 Other Applications

10 GLOBAL NETWORK RECORDING MARKET, BY END USER

- 10.1 Introduction
- 10.2 Telecommunications
- 10.3 Banking, Financial Services, and Insurance (BFSI)
- 10.4 Healthcare
- 10.5 Government
- 10.6 Retail
- 10.7 Other End Users

11 GLOBAL NETWORK RECORDING MARKET, BY GEOGRAPHY

- 11.1 Introduction
- 11.2 North America
 - 11.2.1 US
 - 11.2.2 Canada
 - 11.2.3 Mexico
- 11.3 Europe
 - 11.3.1 Germany
 - 11.3.2 UK
 - 11.3.3 Italy
 - 11.3.4 France
 - 11.3.5 Spain
 - 11.3.6 Rest of Europe
- 11.4 Asia Pacific
 - 11.4.1 Japan
 - 11.4.2 China
 - 11.4.3 India
 - 11.4.4 Australia
 - 11.4.5 New Zealand
 - 11.4.6 South Korea
 - 11.4.7 Rest of Asia Pacific
- 11.5 South America
 - 11.5.1 Argentina
 - 11.5.2 Brazil
 - 11.5.3 Chile
 - 11.5.4 Rest of South America
- 11.6 Middle East & Africa

- 11.6.1 Saudi Arabia
- 11.6.2 UAE
- 11.6.3 Qatar
- 11.6.4 South Africa
- 11.6.5 Rest of Middle East & Africa

12 KEY DEVELOPMENTS

- 12.1 Agreements, Partnerships, Collaborations and Joint Ventures
- 12.2 Acquisitions & Mergers
- 12.3 New Product Launch
- 12.4 Expansions
- 12.5 Other Key Strategies

13 COMPANY PROFILING

- 13.1 Cisco Systems, Inc.
- 13.2 Plantronics, Inc. (Poly)
- 13.3 Verint Systems Inc.
- 13.4 Aspect Software, Inc.
- 13.5 NICE Systems Ltd.
- 13.6 Ribbon Communications Inc.
- 13.7 AudioCodes Ltd.
- 13.8 VTech Communications, Inc.
- 13.9 Avaya Inc.
- 13.10 Mitel Networks Corporation
- 13.11 Enghouse Interactive
- 13.12 Toshiba Corporation
- 13.13 Samsung Networks
- 13.14 IBM Corporation
- 13.15 Huawei Technologies Co., Ltd.

List Of Tables

LIST OF TABLES

- 1 Global Network Recording Market Outlook, By Region (2024-2032) (\$MN)
- 2 Global Network Recording Market Outlook, By Type (2024-2032) (\$MN)
- 3 Global Network Recording Market Outlook, By Session Recording (2024-2032) (\$MN)
- 4 Global Network Recording Market Outlook, By Packet Capture (2024-2032) (\$MN)
- 5 Global Network Recording Market Outlook, By Call/Voice Recording (2024-2032) (\$MN)
- 6 Global Network Recording Market Outlook, By Video/Multimedia Recording (2024-2032) (\$MN)
- 7 Global Network Recording Market Outlook, By Screen/Activity Recording (2024-2032) (\$MN)
- 8 Global Network Recording Market Outlook, By Other Types (2024-2032) (\$MN)
- 9 Global Network Recording Market Outlook, By Technology (2024-2032) (\$MN)
- 10 Global Network Recording Market Outlook, By IP-Based Network Recording (2024-2032) (\$MN)
- 11 Global Network Recording Market Outlook, By Legacy Systems (2024-2032) (\$MN)
- 12 Global Network Recording Market Outlook, By Deployment Type (2024-2032) (\$MN)
- 13 Global Network Recording Market Outlook, By On-Premises (2024-2032) (\$MN)
- 14 Global Network Recording Market Outlook, By Cloud-Based (2024-2032) (\$MN)
- 15 Global Network Recording Market Outlook, By Hybrid (2024-2032) (\$MN)
- 16 Global Network Recording Market Outlook, By Organization Size (2024-2032) (\$MN)
- 17 Global Network Recording Market Outlook, By Small and Medium-Sized Enterprises (SMEs) (2024-2032) (\$MN)
- 18 Global Network Recording Market Outlook, By Large Enterprises (2024-2032) (\$MN)
- 19 Global Network Recording Market Outlook, By Application (2024-2032) (\$MN)
- 20 Global Network Recording Market Outlook, By Network Security (2024-2032) (\$MN)
- 21 Global Network Recording Market Outlook, By Compliance Recording (2024-2032) (\$MN)
- 22 Global Network Recording Market Outlook, By Quality Monitoring (2024-2032) (\$MN)
- 23 Global Network Recording Market Outlook, By Data Analysis and Insights (2024-2032) (\$MN)
- 24 Global Network Recording Market Outlook, By Surveillance and Monitoring (2024-2032) (\$MN)
- 25 Global Network Recording Market Outlook, By Other Applications (2024-2032) (\$MN)
- 26 Global Network Recording Market Outlook, By End User (2024-2032) (\$MN)

27 Global Network Recording Market Outlook, By Telecommunications (2024-2032) (\$MN)

28 Global Network Recording Market Outlook, By Banking, Financial Services, and Insurance (BFSI) (2024-2032) (\$MN)

29 Global Network Recording Market Outlook, By Healthcare (2024-2032) (\$MN)

30 Global Network Recording Market Outlook, By Government (2024-2032) (\$MN)

31 Global Network Recording Market Outlook, By Retail (2024-2032) (\$MN)

32 Global Network Recording Market Outlook, By Other End Users (2024-2032) (\$MN)

Note: Tables for North America, Europe, APAC, South America, and Middle East & Africa Regions are also represented in the same manner as above.

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