SHARPCAM

MAINSTREAM NVR SERIES

SPC-N-M-16CH-16P-18T-1X-G2

Network video recorder

Recording performance for your video system

16CH 4K PoE NVR, 4K@45fps / 4MP@90fps / 2MP@180fps, 112Mbps Input / 96Mbps Output, 2 HDD up to 10TB, 16 PoE Ports, Metal Housing.

16ch · 16ch PoE · 112Mbps in · 96Mbps out · 16TB max



16 channels	112 Mbps	96 Mbps	2 SATA bays	18 TB total	N/A	1*VGA + 1*HDMI up to 4K	1 RJ45 10/100 Base-T
IP Channels	Recording Input	Output Bandwidth	Storage Bays	Total Storage	Data Protection	Display Output	Network Interfaces

RECORDING PERFORMANCE

High-throughput ingest and playback

- 16 channels
- 112 Mbps incoming bandwidth
- 96 Mbps outgoing bandwidth
- 8MP (3840x2160), 5MP (2880x1620), 3MP (2304x1296), 1080P (1920x1080), 720P (1280x720)
- 4K:45fps, 4MP:90fps, 2MP: 180fps

STORAGE & RETENTION

Scalable retention and resilience

- 2 SATA bays
- 18TB
- N/A
- eSATA: 1pc
- 1 SATA HDD

AI EVENT MANAGEMENT

Search, investigate and respond faster

- Smart Search [365]

SYSTEM ARCHITECTURE

SharPcam Cameras
↓
Network
↓
SharPcam NVR
↓
Recording Storage
↓
Eye365 VMS · project dependent

RECOMMENDED APPLICATIONS

Evidence retention	Camera metadata search	Local recording resilience	SMB / Branches	Schools	Warehouses	Fast PoE Deployment

MAINSTREAM TECHNICAL PRODUCT DATA

SPC-N-M-16CH-16P-18T-1X-G2

Network video recorder

Former model reference: SS-NRKIM1016x2 16P



1. RECORDING & DECODING

IP Channels	16 channels
Input Bandwidth	112 Mbps
Output Bandwidth	96 Mbps
Recording Resolution	8MP (3840x2160), 5MP (2880x1620), 3MP (2304x1296), 1080P (1920x1080), 720P (1280x720)
Video Compression	H.265+ / H.265 / H.264+ / H.264
Audio Compression	G.711A / G.711U
Frame Rate	4K:45fps, 4MP:90fps, 2MP:180fps
Playback Channels	Max 16CH
Integrated PoE ports	16
Recording / decoding profile	4K:45fps, 4MP:90fps, 2MP:180fps, 2 HD, 16ch POE NVR 48V 3.75A

2. STORAGE & RAID

SATA Bays	2 SATA bays
Max HDD Capacity	18TB
eSATA	1pc
RAID Levels	N/A
HDD Management	1 SATA HDD
Hot Swap	NO
Maximum total storage	18 TB total

3. VIDEO OUTPUTS

Video outputs	1*VGA + 1*HDMI up to 4K
Max Resolution	4K (3840×2160)
Independent Output	HDMI + VGA
Multi-screen Display	Max. 8CH

4. NETWORK & INTEGRATION

Ethernet	1 RJ45 10/100 Base-T
Network Protocols	"TCP/IP,HTTP,DHCP,DNS,DDNS,RTP/RTSP, SMTP,NTP,UPnP,SNMP,HTTPS,FTP"
ONVIF	—
API / Integration	Network/API integration supported
Streaming	RTSP Supported
Security	IP Address Filter, HTTPS Encryption, Complicated Password, Control Timeout Settings

5. AUDIO / ALARM / I/O

Audio Input	Not specified
Audio Output	1 × Audio Output
Alarm Input	Not specified
Alarm Output	YES
USB	USB 2.0 ×1 Front + USB 2.0 ×1 Rear
Serial	Not specified
Reset	Press 10 seconds
Audio	1 out
Alarm I/O	Yes
Interfaces	HDMI x1, VGA x1, RJ45 x1, PoE RJ45 x16, USB 2.0 x2, Audio Out x1

6. AI & SMART SEARCH

Smart Search [365]	✓

7. ELECTRICAL & MECHANICAL

Power Supply	DC48V / 3.75A
Operating Temperature	-10°C to +50°C / ≤90% RH
Operating Humidity	≤90% RH
Dimensions	300X302X54mm
Weight	—
Installation	Desktop
Material	Metal

8. SOFTWARE / CLIENTS

Local UI	UI5.0
Web Viewer	IE10/11, Safari 12.1+, Firefox 52+, Chrome 57+, Edge 79+
Mobile App	CybVu
Operating System	Not specified
Languages	English, French, Spanish, Portuguese, German, Italian, Greek, Danish, Finnish, Russian, Hebrew, Turkish, Bulgarian, Arabic, Korean, Japanese, Thai, Hindi, Romanian, Dutch, Polish.

9. ORDERING INFORMATION

SKU	SPN-M005
Model	SPC-N-M-16CH-16P-18T-1X-G2
Description	Network video recorder