SHARPCAM

PROFESSIONAL NVR SERIES

SPC-N-P-16CH-16P-48T-2X-G2

Network video recorder

Recording performance for your video system

16CH 12MP PoE NVR, 12MP@30fps / 4K@120fps / 4MP@240fps / 2MP@480fps, 320Mbps Input / 320Mbps Output, 4 HDD up to 48TB each, 16 PoE Ports, Metal Housing.

16ch · 16ch PoE · 320Mbps in · 320Mbps out · 48TB max



16 channels	320 Mbps	320 Mbps	4 SATA bays	48 TB total	N/A	1 VGA 1 HDMI up to 4K 1HDMI 1080P	2 RJ45 100/1000 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
- 320 Mbps incoming bandwidth
- 320 Mbps outgoing bandwidth
- 12MP (4000×3000), 8MP (3840×2160), 5MP (2880×1620), 4MP (2592×1520), 3MP (2304×1296), 1080P (1920×1080), 720P (1280×720)
- 12MP: 30fps, 4K: 120fps, 4MP: 240fps, 2MP: 480fps

STORAGE & RETENTION

Scalable retention and resilience

- 4 SATA bays
- 48TB
- N/A
- eSATA: 1pc
- 4 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	Long Retention Storage

PROFESSIONAL TECHNICAL PRODUCT DATA

SPC-N-P-16CH-16P-48T-2X-G2

Network video recorder

Former model reference: SS-NRKIP1016x4 16P



1. RECORDING & DECODING

IP Channels	16 channels
Input Bandwidth	320 Mbps
Output Bandwidth	320 Mbps
Recording Resolution	12MP (4000×3000), 8MP (3840×2160), 5MP (2880×1620), 4MP (2592×1520), 3MP (2304×1296), 1080P (1920×1080), 720P (1280×720)
Video Compression	H.265+ / H.265 / H.264+ / H.264
Audio Compression	G.711A, G.711U
Frame Rate	12MP: 30fps, 4K: 120fps, 4MP: 240fps, 2MP: 480fps
Playback Channels	Max 12CH
Integrated PoE ports	16
Recording / decoding profile	4K:120fps, 4MP:240fps, 2MP: 480fps

2. STORAGE & RAID

SATA Bays	4 SATA bays
Max HDD Capacity	48TB
eSATA	1pc
RAID Levels	N/A
HDD Management	4 SATA HDD
Hot Swap	NO
Maximum total storage	48 TB total

3. VIDEO OUTPUTS

Video outputs	1 VGA 1 HDMI up to 4K 1HDMI 1080P
Max Resolution	4K (3840×2160)
Independent Output	HDMI + VGA
Multi-screen Display	Max. 16CH

4. NETWORK & INTEGRATION

Ethernet	2 RJ45 100/1000 Base-T
Network Protocols	"TCP/IP, HTTP, DHCP, DNS, DDNS, RTP/RTSP, SMTP,NTP,UPnP,SNMP,HTTPS,FTP"
ONVIF	—
API / Integration	YES
Streaming	RTP/RTSP
Security	IP Address Filter, HTTPS Encryption, Complicated Password, Control Timeout Settings

5. AUDIO / ALARM / I/O

Audio Input	1 Input
Audio Output	1 × Audio Output
Alarm Input	16 × Alarm Outputs
Alarm Output	1 × Alarm Outputs
USB	USB 2.0 x1 Front, USB 2.0 x1 Rear
Serial	RS485 x1
Reset	Press 10 seconds
Audio	1 out
Alarm I/O	16 in /1 out
Interfaces	HDMI x1, VGA x1, RJ45 x2, PoE RJ45 x4, USB 2.0 x2, Audio In x1, Audio Out x1, Alarm In x4, Alarm Out x1

6. AI & SMART SEARCH

Smart Search [365]	✓

7. ELECTRICAL & MECHANICAL

Power Supply	DC48V / 1.2A
Operating Temperature	-10°C to +50°C / ≤90% RH
Operating Humidity	≤90% RH
Dimensions	300X302X54mm
Weight	—
Installation	Desktop
Material	Metal
Power consumption	12W

8. SOFTWARE / CLIENTS

Local UI	UI5.0
Web Viewer	IE10/11, Safari V12.1+, Firefox V52+, Chrome V57+, Edge V79+
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-P003
Model	SPC-N-P-16CH-16P-48T-2X-G2
Description	Network video recorder