SHARPCAM

ULTRA NVR SERIES

SPC-N-U-32CH-16P-48T-2X-G2

Network video recorder

Recording performance for your video system

32CH 12MP NVR, 12MP@30fps / 8MP@120fps / 4MP@240fps / 2MP@480fps, 640Mbps Input / 640Mbps Output, 4 HDD up to 12TB each, 16ch PoE port, Metal Housing.

32ch · 16ch PoE · 640Mbps in · 640Mbps out · 48TB max



32 channels	640 Mbps	640 Mbps	4 SATA bays	48 TB total	N/A	1*HDMI up to 4K + 1*HDMI 1080P Async out	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

- 32 channels
- 640 Mbps incoming bandwidth
- 640 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	Schools	Warehouses	Large Sites	Fast PoE Deployment	Long Retention Storage

ULTRA TECHNICAL PRODUCT DATA

SPC-N-U-32CH-16P-48T-2X-G2

Network video recorder

Former model reference: SS-NRKIU1032x4 16P



1. RECORDING & DECODING

IP Channels	32 channels
Input Bandwidth	640 Mbps
Output Bandwidth	640 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 32CH
Integrated PoE ports	16
Recording / decoding profile	4K:240fps,4MP:480fps,2MP: 960fps, 1 line in ,RS232,

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*HDMI up to 4K + 1*HDMI 1080P Async out
Max Resolution	4K (3840×2160)
Independent Output	HDMI + VGA
Multi-screen Display	Max. 32CH

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	RS API
Streaming	RTSP Supported
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 Inputs
Alarm Output	1 Output
USB	USB 2.0 ×1 Front + USB 2.0 ×1 Rear
Serial	RS485 x1
Reset	Press 10 seconds
Audio	1 out
Alarm I/O	16 in/1out
Interfaces	HDMI x2, VGA x1, RJ45 x2, USB 2.0 x1 Front, USB 3.0 x1 + USB 2.0 x1 Rear, Audio In x1, Audio Out x1, Alarm In x16, Alarm Out x1, eSATA x1, RS485 x1,Port x16

6. AI & SMART SEARCH

Smart Search [365]	✓

7. ELECTRICAL & MECHANICAL

Power Supply	DC12V / 5A
Operating Temperature	-10°C to +50°C / ≤90% RH
Operating Humidity	≤90% RH
Dimensions	—
Weight	—
Installation	Rack Mount / Desktop
Material	Metal

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-U003
Model	SPC-N-U-32CH-16P-48T-2X-G2
Description	Network video recorder