SHARPCAM

ULTRA NVR SERIES

SPC-N-U-256CH-0P-192T-2Xr-G2

Network video recorder

Recording performance for your video system

High-channel enterprise NVR, 12MP Recording, 1024Mbps Input/ 800Mbps Output, 16 HDDs up to 18TB each, RAID 0/1/5/6/10, Dual 500W Redundant Power Supplies, Metal Housing.

256ch · No integrated PoE · 1024Mbps in · 800Mbps out · 192TB max



256 channels IP Channels	**1024 Mbps** Recording Input	**800 Mbps** Output Bandwidth	**16 SATA bays** Storage Bays	**RAID 0 / RAID 1 / RAID 5 / RAID 6 / RAID 10** Data Protection	**See specifications** Display Output	**2 RJ45 1000 Base-T** Network Interfaces

RECORDING PERFORMANCE

High-throughput ingest and playback

- 256 channels
- 1024 Mbps incoming bandwidth
- 800 Mbps outgoing bandwidth
- 12MP (4000×3000), 8MP (3840×2160), 5MP (2880×1620), 3MP (2304×1296), 1080P (1920×1080), 960P (1280×960), 720P (1280×720)
- 4K: 240fps, 4MP: 480fps, 2MP: 960fps

STORAGE & RETENTION

Scalable retention and resilience

- 16 SATA bays
- 18TB per HDD (Enterprise-Class)
- RAID 0 / RAID 1 / RAID 5 / RAID 6 / RAID 10
- eSATA: 1pc
- 16 × SATA HDD, up to 18TB per HDD, RAID 0/1/5/6/10

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

Command & Control

Critical Infrastructure

ULTRA TECHNICAL PRODUCT DATA

SPC-N-U-256CH-0P-192T-2Xr-G2

Network video recorder

Former model reference: SS-NRKIU2256x16



1. RECORDING & DECODING

IP Channels	256 channels
Input Bandwidth	1024 Mbps
Output Bandwidth	800 Mbps
Recording Resolution	12MP (4000×3000), 8MP (3840×2160), 5MP (2880×1620), 3MP (2304×1296), 1080P (1920×1080), 960P (1280×960), 720P (1280×720)
Video Compression	H.265+/H.265/H.264+/H.264
Audio Compression	G.711A / G.711U
Frame Rate	4K: 240fps, 4MP: 480fps, 2MP: 960fps
Playback Channels	Max 16CH Playback
Integrated PoE ports	0
Recording / decoding profile	4K:240fps,4MP:480fps,2MP: 960fps,16HD Hot Swap, 1 line in ,RS232, 256ch No POE 2*ATX 250W, Redundant AC Power Supply included

2. STORAGE & RAID

SATA Bays	16 SATA bays
Max HDD Capacity	18TB per HDD (Enterprise-Class)
eSATA	1pc
RAID Levels	RAID 0 / RAID 1 / RAID 5 / RAID 6 / RAID 10
HDD Management	16 × SATA HDD, up to 18TB per HDD, RAID 0/1/5/6/10
Hot Swap	Dual redundant power supplies are hot-swappable; HDD hot swap: N/A

3. VIDEO OUTPUTS

Video outputs	3*HDMI up to 4K + 1*HDMI 1080P Async out *If the output resolution of HDMI 1 is set to 8K, the maximum output resolution of HDMI 3 and 4 will be limited to 1080P, and HDMI 2 will be disabled.
Max Resolution	7680×4320
Independent Output	HDMI + VGA
Multi-screen Display	Max. 256CH

4. NETWORK & INTEGRATION

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

5. AUDIO / ALARM / I/O

Audio Input	1 Line In
Audio Output	4 × Audio Output
Alarm Input	16 × Alarm Inputs
Alarm Output	1 × Alarm Outputs
USB	USB 2.0 x1 Front, USB 3.0 x2 Rear
Serial	RS232 ×1 RJ45, RS485 ×1
Reset	Press 10 seconds
Audio	1 Line In / 1 Output
Alarm I/O	16in /4out
Interfaces	HDMI ×4, RJ45 ×2, Line In ×1, RS232 ×1, RS485 ×1, USB2.0 ×1 Front, USB3.0 ×2 Rear, Audio Out ×1, Alarm In ×16, Alarm Out ×4, E-SATA ×1

6. AI & SMART SEARCH

Smart Search [365]	✓

7. ELECTRICAL & MECHANICAL

Power Supply	Two 500W redundant power supplies.
Operating Temperature	Temperature: -10□+50°C/less than ≤ 90% RH
Operating Humidity	≤90% RH
Dimensions	440*460*149mm
Weight	—
Installation	Rack Mount / Desktop
Material	Metal
Power consumption	8W

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-U007
Model	SPC-N-U-256CH-0P-192T-2Xr-G2
Description	Network video recorder