SHARPCAM

ULTRA NVR SERIES

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

Network video recorder

Recording performance for your video system

256-channel high-performance NVR supporting up to 32MP recording and 1024 Mbps input bandwidth. It features 4K@240fps, 4MP@480fps, and 2MP@960fps, with 16 hot-swappable HDD bays, 1-line audio input, RS-232, HDMI/VGA outputs, and 256-channel recording with no PoE.

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	**1 × HDMI + 1 × VGA** Display Output	**2 × RJ45 10/100/1000 Base-T** Network Interfaces

RECORDING PERFORMANCE

High-throughput ingest and playback

- 256 channels
- 1024 Mbps incoming bandwidth
- 800 Mbps outgoing bandwidth
- 8MP / 5MP / 3MP / 2MP (1080P) / 1.3MP (960P) / 1MP (720P)
- 4K: 240 fps- 4MP: 480 fps- 2MP: 960 fps

STORAGE & RETENTION

Scalable retention and resilience

- 16 SATA bays
- Up to 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-2X-G2

Network video recorder

Former model reference: SS-NRKIU1256x16



1. RECORDING & DECODING

IP Channels	256 channels
Input Bandwidth	1024 Mbps
Output Bandwidth	800 Mbps
Recording Resolution	8MP / 5MP / 3MP / 2MP (1080P) / 1.3MP (960P) / 1MP (720P)
Video Compression	H.264/H.265/H.264+/H.265+"
Audio Compression	G.711a
Frame Rate	4K: 240 fps- 4MP: 480 fps- 2MP: 960 fps
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. STORAGE & RAID

SATA Bays	16 SATA bays
Max HDD Capacity	Up to 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	Yes

3. VIDEO OUTPUTS

Video outputs	1 × HDMI + 1 × VGA
Max Resolution	3840 × 2160 (4K UHD)
Independent Output	HDMI + VGA
Multi-screen Display	Multi-channel display / up to 256-channel playback

4. NETWORK & INTEGRATION

Ethernet	2 × RJ45 10/100/1000 Base-T
Network Protocols	TCP/ IP,HTTP,DHCP,DNS,DDNS,RTP/ RTSP, SMTP,NTP,HTTPS
ONVIF	—
API / Integration	Network/API integration supported
Streaming	H.265+ / H.265 / H.264+ / H. 264
Security	IP Address Filter, HTTPS Encryption, Complex Password, Control Timeout

5. AUDIO / ALARM / I/O

Audio Input	Network Audio Input
Audio Output	1 × Audio Output
Alarm Input	16 × Alarm Inputs
Alarm Output	4 × Alarm Outputs
USB	1 × USB 2.0 + 2 × USB 3.0
Serial	N/A
Reset	YES
Audio	1 out
Alarm I/O	16 in/4out
Interfaces	HDMI: 3 (1024x768, 1280x720, 1280x1024, 1440x900, 1920x1080, 2560x1440, 3840x2160, 7680x4320/EDID), 1 (1024x768, 1280x720, 1280x1024, 1440x900, 1920x1080/EDID) Ethernet: 2 RJ45 1000 Base-T Line In: 1 RS232: 1 RJ45 RS485: 1 USB: USB2.0x1 (Front), USB3.0×2 (Rear) Audio: 1 Output Alarm: 16 Input – 4 Output HDD: 16 SATA , up to 18TB (Enterprise-Class) E-SATA: 1 RAID: RAID0, RAID1, RAID5, RAID6, RAID10

6. AI & SMART SEARCH

Smart Search [365]	✓

7. ELECTRICAL & MECHANICAL

Power Supply	ATX 250W
Operating Temperature	Temperature: -10□+50°C/less than ≤ 90% RH
Operating Humidity	≤90% RH
Dimensions	440*460*149mm
Weight	NOT Stated
Installation	Rack Mount / Desktop
Material	Metal
Power consumption	8W

8. SOFTWARE / CLIENTS

Local UI	UI5.0
Web Viewer	IE10/11, Safari V12.1 above, Firefox V.52 above, Google Chrome V.57 above, Edge V.79 above
Mobile App	CybVu
Operating System	Not Stated
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-U006
Model	SPC-N-U-256CH-0P-192T-2X-G2
Description	Network video recorder