



SPRO B7[®]



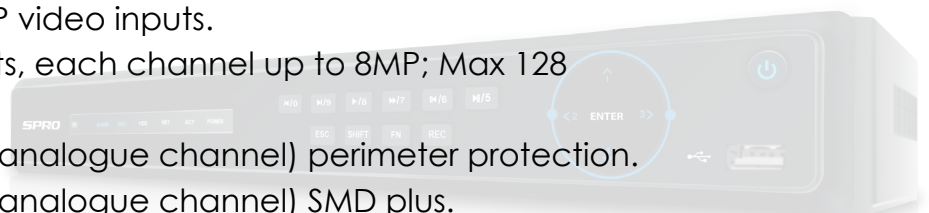
DHDVR16-B7

32 (16 + 16) Channel 4K DVR 5 in 1 (CVI / TVI / AHD / ANALOGUE / IP)
With AI Technology



Key Features:

- H.265+/H.265 dual-stream video compression.
- Supports 16-channel AI-Coding.
- Supports HDCVI/AHD/TVI/CVBS/IP video inputs.
- Max 32 channels IP camera inputs, each channel up to 8MP; Max 128 Mbps incoming bandwidth.
- Up to 12 channels video stream (analogue channel) perimeter protection.
- Up to 16 channels video stream (analogue channel) SMD plus.
- Up to 6 channels video stream (analogue channel) human face recognition.
- IoT & POS functionalities.



SPECIFICATIONS

Model Number	DHDVR16-B7
Main Processor	Industrial-grade processor
Operating System	Embedded Linux
Operating Interface	Web; Local GUI

(continued)

Perimeter Protection**Performance**

Advanced Model : 6 channels, 10 IVS for each channel
 General Model : 12 channels, 10 IVS for each channel

Face Detection**Face Attributes**

Gender; age group; glasses; expressions; face mask; beard

**Face Detection Performance
 by Recorder**

6 channels (up to 12 face images/s each channel)

Face Recognition**Face Database Capacity**

Up to 10 face databases with 20,000 face images in total. Name, gender, birthday, address, certificate type, certificate No., countries & regions and state can be added to each face image

**Face Recognition Performance
 of AI by Recorder**

2 channels

SMD Plus**SMD Plus by Recorder**

16 channels: Secondary filtering for human and motor vehicle , reducing false alarms caused by leaves, rain and lighting condition change

Audio and Video**Analogue Camera Input**

16 BNC ports, supports HDCVI/AHD/TVI/CVBS auto-detect

Camera Input

1. CVI: 4K@25/30 fps; 6 MP@20 fps; 5 MP@20 fps; 5 MP@25 fps;
 4 MP@25/30 fps; 1080p@25/30 fps; 720p@25/30 fps; 720p@50/60 fps.
 2. TVI: 4K@15 fps; 5 MP@20 fps; 4 MP@25/30 fps; 3 MP@25/30 fps;
 1080p@25/30 fps; 720p@25/30 fps.
 3. AHD: 4K@15 fps; 5 MP@20 fps; 4 MP@25/30 fps; 3 MP@25/30 fps;
 1080p@25/30 fps; 720p@25/30 fps

IP Camera Input

Up to 32 channels of IPC access

16 IP channels by default + 16 channels (analog channels are converted to IP channels)

incoming bandwidth: 128 Mbps, recording bandwidth: 128 Mbps and outgoing bandwidth: 128 Mbps

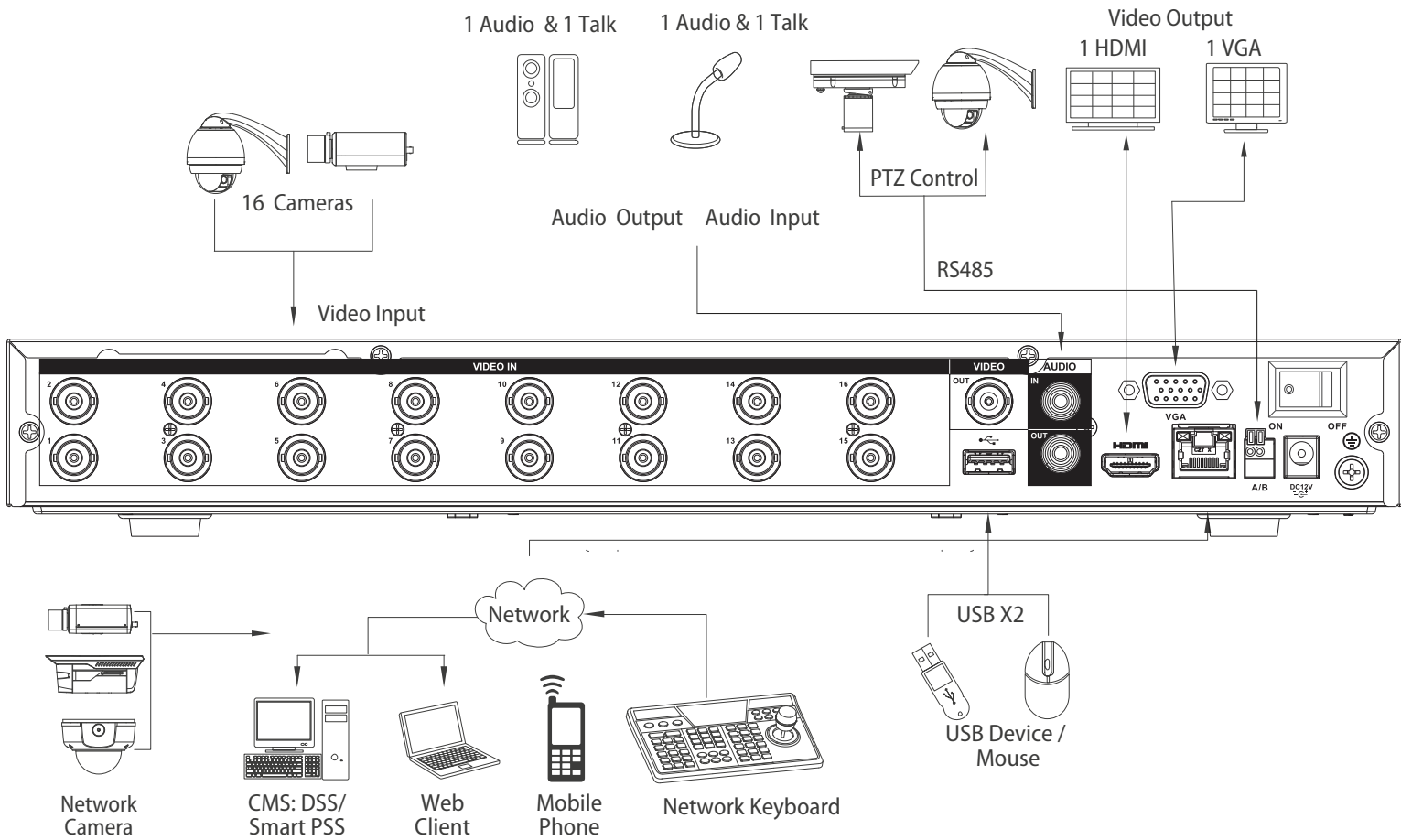
*After IP channels are added beyond the existing channels, the AI Function (IVS, SMD, FACE) will be disabled

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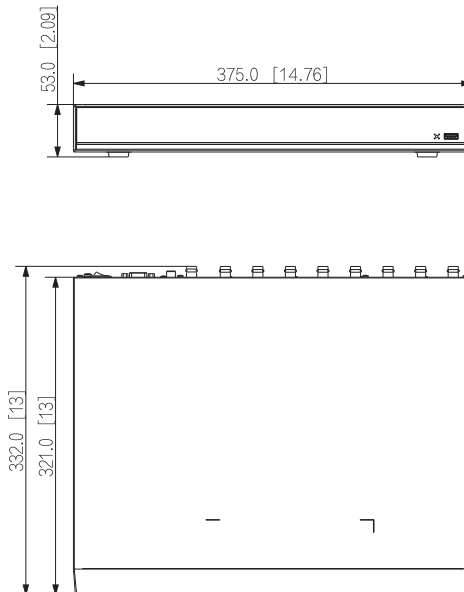
Encoding Capacity	Main stream: 4K@(1fps–15 fps); 6 MP@(1fps–20 fps); 5 MP, 4K-N, 4 MP, 3 MP, 1080p, 720p, 960H, D1, CIF@(1fps–25/30fps) Sub stream: 960H@(1fps–15fps); D1, CIF@(1fps–25/30fps)
Dual-stream	Yes
Video Bit Rate	32 kbps–8192 kbps
Audio Sampling	8kHz, 16 bit
Audio Bit Rate	64 kbps
Video Output	1 VGA: 1920 × 1080, 1280 × 1024, 1280 × 720 1 HDMI: 3840 × 2160, 1920 × 1080, 1280 × 1024, 1280 × 720 *Simultaneous/heterogeneous video sources output for VGA and HDMI is configurable.
Multi-screen Display	When IP extension mode not enabled: 1/4/8/9/16 When IP extension mode enabled: 1/4/8/9/16/25/36
Third-party Camera Access	ONVIF; Panasonic; Sony; Axis; Arecont; Pelco; Canon; Samsung
Compression Standard	
Video Compression	AI Coding; Smart H.265+; H.265; Smart H.264+; H.264
Audio Compression	G.711a; G.711u; PCM
Network	
Network Protocol	HTTP; HTTPS; TCP/IP; IPv4; RTSP; UDP; SMTP; NTP; DHCP; DNS; DDNS; P2P
Mobile Phone Access	iOS; Android
Interoperability	ONVIF 22.12(Profile T; Profile S; Profile G); CGI; SDK
Browser	Chrome IE9 or later Firefox
Network Mode	Single-address mode
Recording Playback	
Record Mode	General, motion detection; intelligent; alarm; POS
Recording Playback	1/4/9/16
Backup Method	USB device and network
Playback Mode	Instant playback, general playback, event playback, tag playback, smart playback (face and motion detection)

Storage	
Disk Group	Yes
Alarm	
General Alarm	Motion detection, video loss, tampering
Anomaly Alarm	No disk; storage error; disk full; camera offline; IP conflict; MAC conflict
Intelligent Alarm	Face detection; face recognition; perimeter protection
Alarm Linkage	Record; snapshot (panoramic); IPC external alarm output; access controller; voice prompt; buzzer; log; preset; email
Ports	
TV Output	1 channel
Audio Input	1-channel RCA 16-channel BNC (Coaxial Audio)
Audio Output	1-channel RCA
Two-way Talk	Yes (share the same audio input with the first channel)
HDD Interface	2 SATA port, up to 16TB. The Maximum HDD capacity varies with environment temperature.
RS-485	1 port, for PTZ control
USB	2 (1 front USB 2.0 port, 1 rear USB 3.0 port)
HDMI	1
VGA	1
Network Port	1 (10/100/1000 Mbps Ethernet port, RJ-45)
General	
Power Supply	DC 12V, 5A
Power Consumption	<32 W (without HDD)
Net Weight	2.40 kg (5.30 lb)
Gross Weight	4.00 kg (8.82 lb)
Product Dimensions	375.0 mm × 332.0 mm × 53.0 mm (14.76" × 13.08" × 2.09") (W × D × H)
Operating Temperature	-10 °C to +55 °C (14 °F to +131 °F)
Operating Humidity	10%–90% (RH)
Installation	Desktop
Certifications	CE: CE-LVD: EN 60950-1/IEC 60950-1 CE-EMC: EN 61000-3-2, EN 61000-3-3, EN 55032, EN50130, EN 55024 FCC: Part 15 Subpart B

Panel



Dimensions (mm[inch])



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