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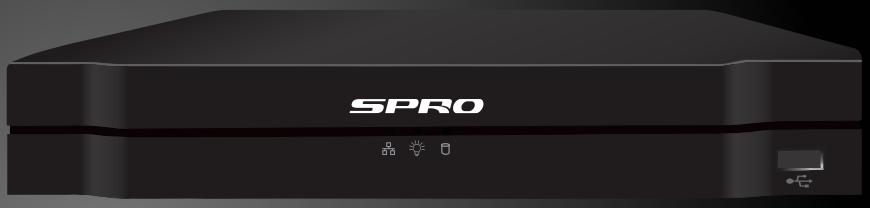
SPRO B6®

AI ARTIFICIAL INTELLIGENCE



DHDVR24-B6-V3

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

Key Features:

- H.265+ video compression
- 4K recording @ 25/30fps, 4MP@ 25/30fps, 1080P@25/30
- Supports up to 8MP on extra IP channels
- Supports "IP Audio over CAT5e" on extra IP channels (compatible cameras required)
- P2P(no port forwarding required)
- SMD PLUS (smart motion detection plus)
- Perimeter protection
- Intrusion & tripwire (human & vehicle classification)
- Face detection 2.0
- 2 way audio
- Push notification
- Spot monitoring via local network

SPECIFICATIONS

Model Number	DHDVR24-B6-V3
Main Processor	Industrial-grade processor
Operating System	Embedded Linux
Operating Interface	Web; Local GUI

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Perimeter Protection	
Performance	Advanced Model : 2 channels, 10 IVS for each channel General Model : 8 channels, 10 IVS for each channel
Face Detection	
Face Attributes	Gender; age group; glasses; expressions; face mask; beard
Face Detection Performance by recorder	2 channel (up to 12 face images/s each channel)
Face Recognition	
Face Database Capacity	Up to 10 face databases and 20, 000 images in total
Face Recognition Performance of AI by Recorder	2 channel
Privacy Protection	
Privacy Protection Performance of AI by Recorder (Number of Channels)	1 channel
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
SMD Plus by Camera	32 channels
AI Video Quality Analytics	
AI Video Quality Analytics by Recorder	16 channels: Supports detecting brightness levels, colour cast, defocus, overexposure, contrast levels, black and white
Scene Changing	
Scene Changing by recorder	1 channel
Irregular Black Block Masking	
Irregular Black Block Masking by Recorder	1 channel
EPTZ	
EPTZ by Recorder	1 channel
Quick Pick	
QuickPick 2.0 AI by Recorder (Number of Channels)	2 channels

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Audio and Video	
Analogue Camera Input	16 BNC ports, supports HDCVI/AHD/TVI/CVBS auto-detect
Camera Input	1. CVI: 4K@25/30 fps; 4K@12.5/15 fps; 6 MP@20 fps; 5 MP@25 fps; 5 MP@20 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(2560 x 1944)@20 fps; 5 MP(2960 x 1665)@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 (analogue channels are converted to IP channels) Incoming bandwidth: 128 Mbps, recording bandwidth: 128 Mbps and outgoing bandwidth: 128 Mbps *After IP extension is enabled, EPTZ, Video Quality Analytics, Scene Changing, Face Recognition, Face Detection, SMD, Perimeter Protection, QuickPick 2.0 and Privacy Protection cannot be used.
Encoding Capacity	Encode Enhancement disabled： Main stream: the 1st, 9th channel 4K@(1 fps–15 fps), others 4K@(1fps–7 fps); the 1st, 9th channel 6 MP@(1 fps–20 fps), others 6MP@(1 fps–10 fps); the 1st, 9th channel 5 MP@(1 fps–25 fps), others 5MP@(1 fps–12 fps); the 1st, 9th channel 4K-N/4 MP/3 MP@(1 fps–25/30fps), others 4K-N/4 MP/3 MP@(1 fps–15 fps); 4K@(1 fps–8 fps); 5 MP@(1 fps-15 fps);4M-N/1080p/720p/960H/D1/CIF@(1 fps–25/30 fps) Sub stream: 960H@(1 fps–15 fps); D1/CIF@(1 fps–25/30 fps)

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	Encode Enhancement enabled： the 1st, 5th, 9th, 13th channel 4K@(1 fps–15 fps), others 4K@(1 fps–7 fps); the 1st, 5th, 9th, 13th channel 6 MP@(1 fps–20 fps), others 6 MP@(1 fps–10 fps); the 1st, 5th, 9th, 13th channel 5 MP@(1 fps–25 fps), others 5 MP@(1 fps–12 fps); the 1st, 5th, 9th, 13th channel 4K-N/4 MP/3 MP@(1 fps–25/30 fps), others 4K-N/4 MP/3 MP@(1 fps–15 fps); 4K/6 MP@(1 fps–10 fps);5 MP@(1 fps-15 fps); 4M-N/1080p/720p/960H/D1/CIF@(1 fps–25/30 fps) Sub stream: 960H@(1 fps–15 fps); D1/CIF@(1 fps–25/30 fps) *When Encode Enhancement is enabled, EPTZ, Video Quality Analytics, Scene Changing, Face Recognition, Face Detection, Perimeter Protection, QuickPick 2.0 and Privacy Protection cannot be used.
Dual-stream	Yes
Video Bit Rate	32 kbps–6144 kbps
Audio Sampling	8kHz, 16 bit
Audio Bit Rate	64 kbps
Video Output	1 HDMI, 1 VGA HDMI: 3840 × 2160, 1920 × 1080, 1280 × 1024, 1280 × 720 VGA: 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	Panasonic; Sony; Hanwha; Axis; Arecont; ONVIF

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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; IPv6; RTSP; UDP; NTP; DHCP; DNS; SMTP; UPnP; IP Filter; FTP; DDNS; SNMP; Alarm Server; P2P; Auto Registration; IP Search (Supports IP camera, DVR, NVS, etc.)
Mobile Phone Access	iOS; Android
Interoperability	ONVIF 24.06 (Profile T; Profile S; Profile G); CGI; SDK
Browser	Chrome; IE; Safari; Edge; Firefox
Recording Playback	
Record Mode	General; alarm; motion detection; intelligent; 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
Alarm	
General Alarm	Motion detection; alarm box; HDCVI alarm; camera external alarm; network alarm; PIR alarm
Anomaly Alarm	Error (no disk, disk error; low space; low quota space; network disconnection; IP conflict; MAC conflict); video loss; video tampering; camera offline
Intelligent Alarm	Face detection; face recognition; perimeter protection; SMD plus
Alarm Linkage	Record; snapshot (panoramic); IPC external alarm output; audio; buzzer; log; preset; email
Ports	
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)
Disk Interface	1 SATA port, up to 16TB. This limit varies depending on the environment temperature
RS-485	1

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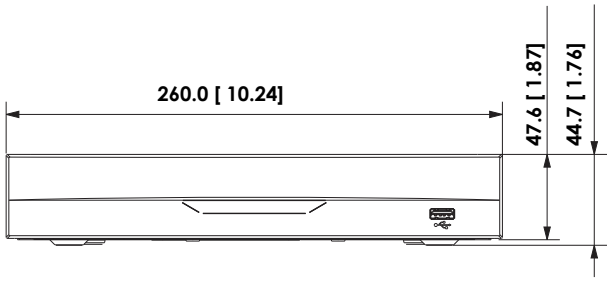
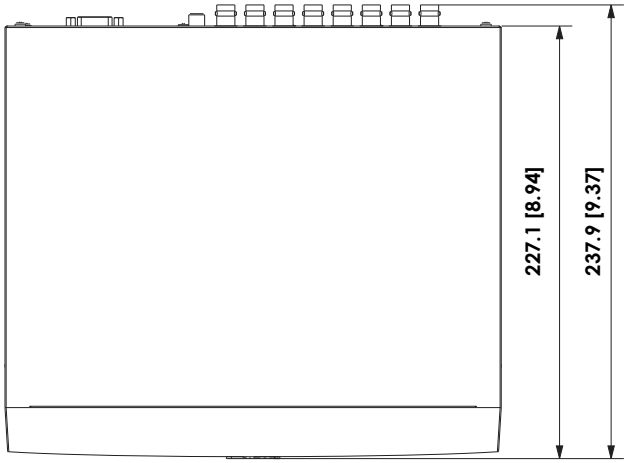
USB	2 (1 front USB 2.0 port, 1 rear USB 3.0 port)
HDMI	1
VGA	1
Network Port	1 (10/100/1000 Mbps Ethernet port, RJ-45)

General

Power Supply	12 VDC, 3 A
Power Consumption	<15 W (without HDD)
Net Weight	1.30 kg (2.87 lb)
Gross Weight	2.10 kg (4.63 lb)
Product Dimensions	325.0 mm × 257.1 mm × 55.0 mm (12.80" × 10.12" × 2.17") (W × D × H)

Dimensions (mm [inch])





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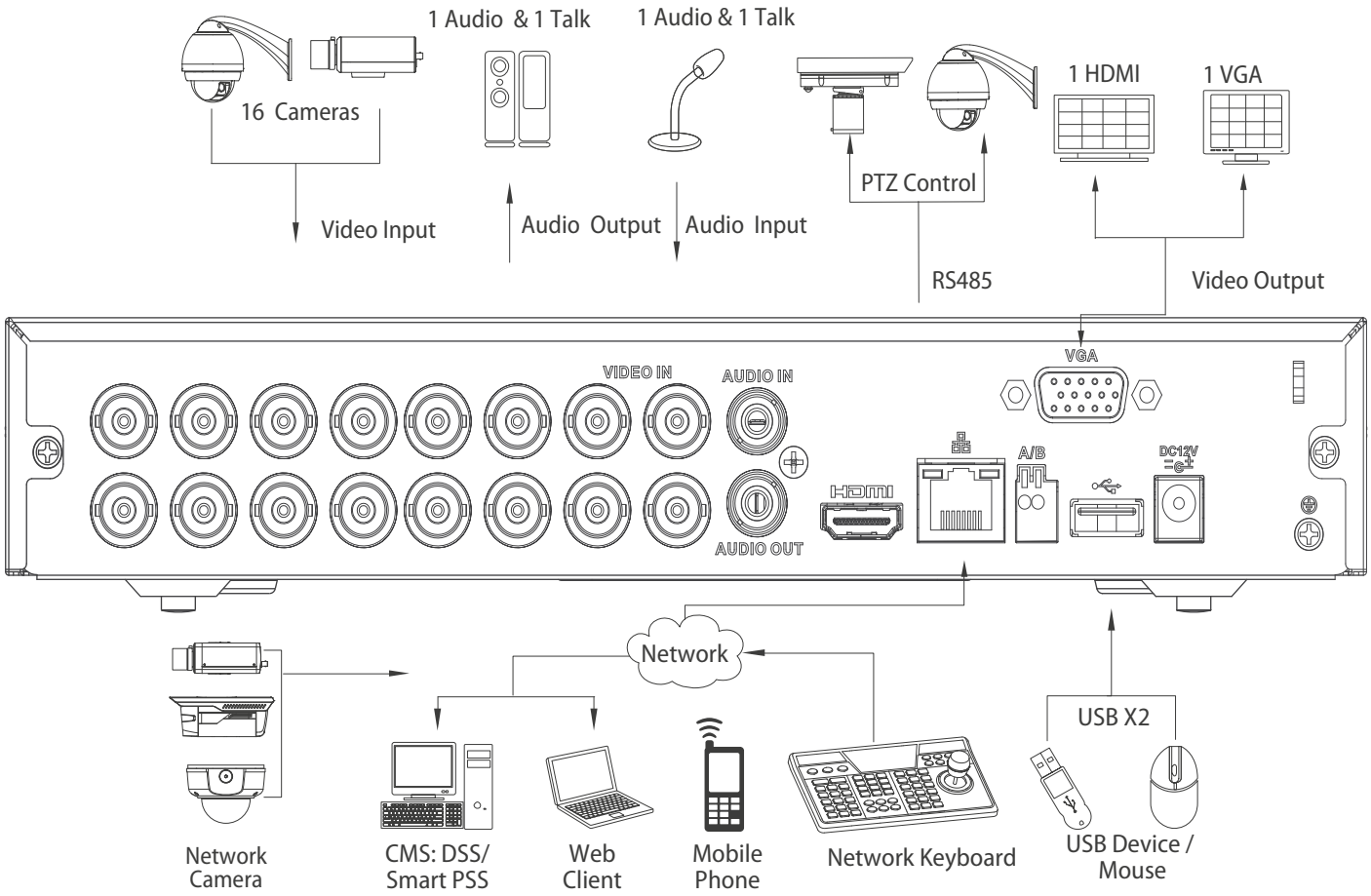
Panel



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