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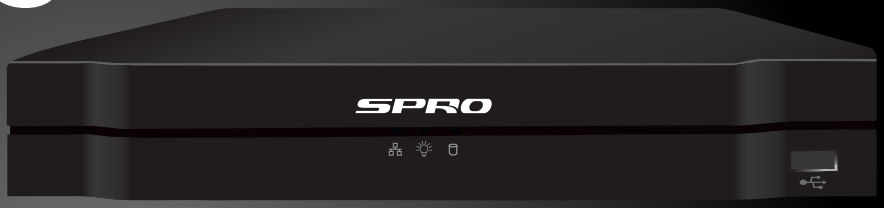
SPRO B5®



DHDVR12-B5-V4

8 Channel 5MP Lite DVR 5 in 1 (CVI / TVI / AHD / ANALOGUE / IP)
With AI Technology

5MP LITE

SMD+ Smart Motion Detection Plus | PERIMETER PROTECTION | Smart Fan | FACE DETECTION 2.0 | INTRUSION | TRIPWIRE | ONVIF

8 CHANNELS | HDMI | VGA | PTZ CONTROL | H.265 | iPHONE & ANDROID PHONE VIEWING | APPLE MAC VIEWING | USB BACKUP

AI ARTIFICIAL INTELLIGENCE

Key Features:

- H.265 video compression
- 5M-N recording@12fps, 1080P@15fps
- Supports up to 5MP 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
- Push notification
- Spot monitoring via local network

SPECIFICATIONS

Model Number	DHDVR12-B5-V4
Main Processor	Industrial-grade processor
Operating System	Web; Local GUI

(continued)

Perimeter Protection	
Performance	Advanced Mode: 2 channels, 10 IVS rules for eachchannel General Mode: 4 channels, 10 IVS rules for each channel
Face Detection	
Face Attributes	Gender; age group; glasses; expressions; face mask; beard
Face Detection Performance Of AI by Recorder	2 channels (up to 8 face images/s)
Face Recognition	
Face Database Capacity	Up to 10 face databases with 10000 face images in total. Name, gender, birthday, address, certificate type, certificate No., countries&regions and state can be added to each face picture
Face Recognition Performance of AI by Recorder (Number of Channels)	2 channels
SMD Plus	
SMD Plus by Recorder	8 channels: Secondary filtering for human and motor vehicle SMD Plus, reducing false alarms caused by leaves, rain and lighting condition change
AI Video Quality Analytics	
AI Video Quality Analytics by Recorder	8 channels: Supports detecting brightness levels, colour casts, defocus, overexposure, contrast levels, black and white.
Scene Changing	
Scene Changing by Recorder	1 channel

(continued)

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Audio and Video	
Analogue Camera Input	8 BNC ports, supports HDCVI/AHD/TVI/CVBS autodetect
Camera Input	1. CVI: 5 MP@25 fps; 5 MP@20 fps; 5 MP@10/12.5 fps; 4 MP@25/30 fps; 1080p@25/30 fps; 720p@50/60 fps; 720p@25/30fps. 2. TVI: 5 MP@20 fps; 4 MP@25/30 fps; 1080p@25/30 fps; 720p@25/30 fps. 3. AHD: 5 MP@20 fps; 4 MP@25/30 fps; 1080p@25/30 fps; 720p@25/30 fps.
IP Camera Input	Up to 12 channels of IPC access 4 IP channels by default +8 channels (analog channels are converted to IP channels) Incoming bandwidth: 64 Mbps, recording bandwidth: 64 Mbps and outgoing bandwidth: 64 Mbps
Encoding Capacity	Main stream: 5MP Mode: 4-ch 5MP@(1-6fps); other channels 5MN@(1-12fps) 5M-N Mode: 5M-N@(1 fps –12 fps); 4M-N/1080p@(1 fps–15 fps); 1080N/720p/960H/D1/CIF@(1 fps–25/30 fps) Sub stream: D1/CIF@(1 fps–15 fps)
Dual-stream	Yes
Video Bit Rate	32 kbps–6144 kbps
Audio Sampling	8 kHz, 16 bit
Audio Bit Rate	64 kbps
Video Output	1 HDMI, 1 VGA HDMI: 1920 × 1080, 1280 × 1024, 1280 × 720 VGA: 1920 × 1080, 1280 × 1024, 1280 × 720
Multi-screen Display	When IP extension mode not enabled: 1/4/8/9 When IP extension mode enabled: 1/4/8/9/16
Third-party Camera Access	Panasonic; Sony; Hanwha; Axis; Arecont; ONVIF

(continued)

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 23.12 (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 It changes to 1/4 split when Face or IVS&SMD is selected in AI Mode.
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

(continued)

Ports	
Audio Input	1-channel RCA 8-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 16 TB. This limit varies depending on the environment temperature.
RS-485	1
USB	2 (1 front USB 2.0 port, 1 rear USB 2.0 port)
HDMI	1
VGA	1
Network Port	1(10/100 Mbps Ethernet port, RJ-45)
General	
Power Supply	12 VDC, 2A
Power Consumption	<7 W(without HDD)
Net Weight	0.97 kg (2.14 lb)
Gross Weight	1.39 kg (3.07 lb)
Product Dimensions	260.0 mm × 237.8 mm × 47.6 mm (10.24" × 9.37" × 1.87") (W × D × H)
Operating Temperature	–10 °C to +55 °C (+14 °F to +131 °F)
Storage Temperature	–20 °C to +60 °C (–4 °F to +140 °F)
Operating Humidity	10%–90% (RH), non-condensing
Installation	Desktop
Certifications	CE: CE-LVD: IEC 62368-1 CE-EMC: EN 61000-3-2, EN 61000-3-3, EN 55032, EN 50130, EN 55024, EN 55035

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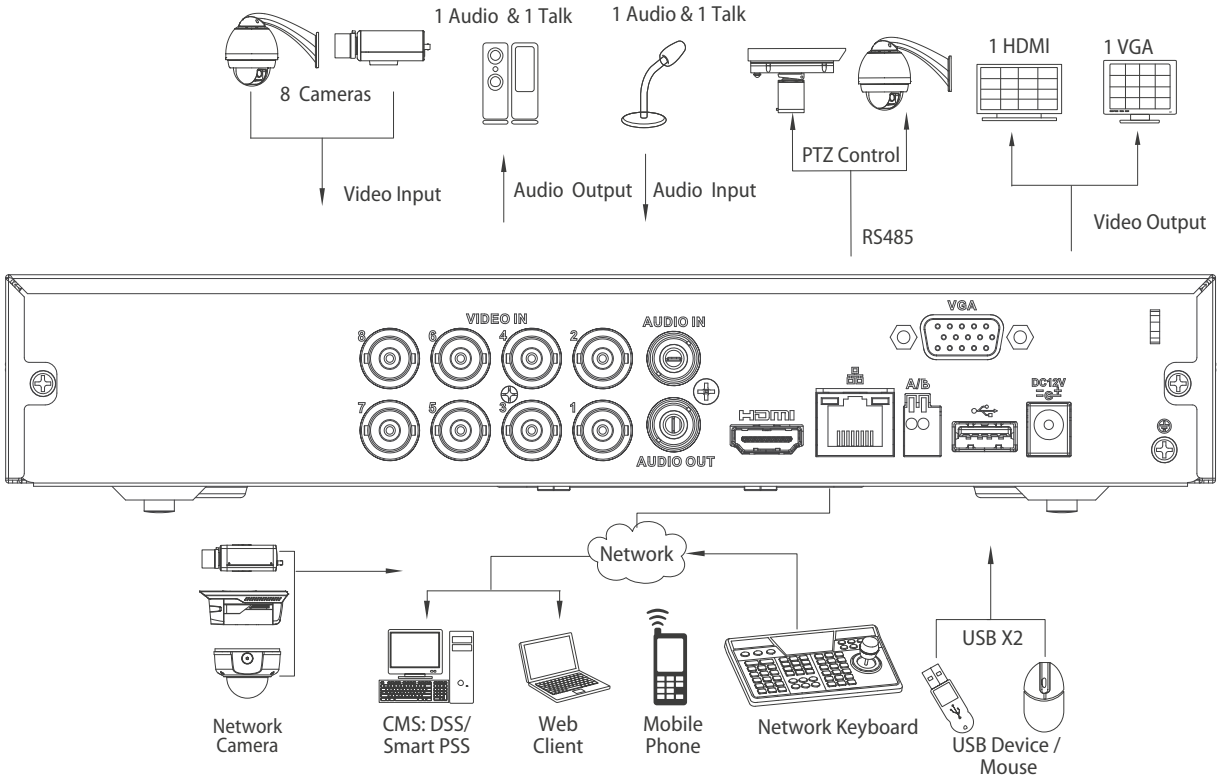
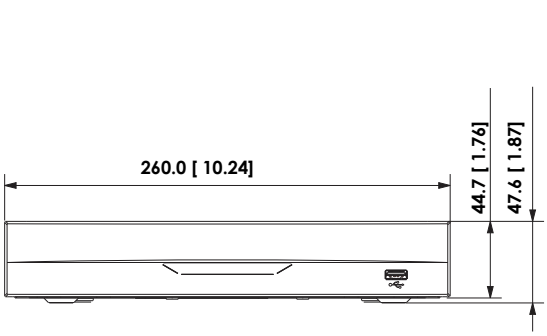
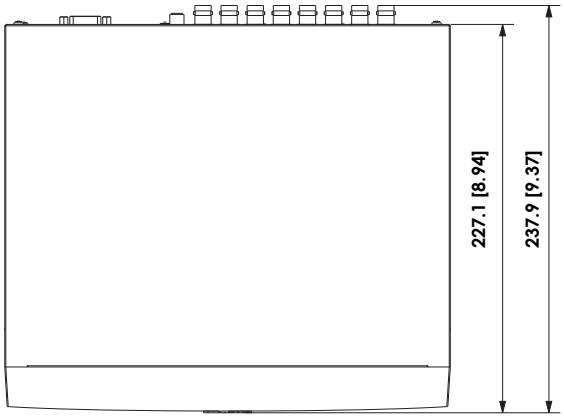
Panel



Dimensions (mm[inch])





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