SPRO B5®

DHDVR12-B5-V3

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

AI ARTIFICIAL INTELLIGENCE

5MP LITE

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

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

Key Features:

- H.265 video compression
- 5M-N recording@10fps, 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 2.0
- 2 way audio
- Push notification
- Spot monitoring via local network
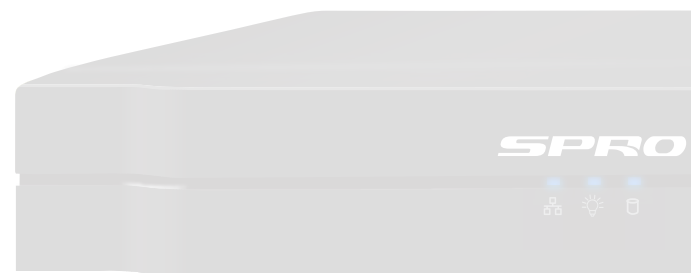
SPECIFICATIONS

Model Number	DHDVR12-B5-V3
Main Processor	Embedded Processor
Operating System	Embedded LINUX

(continued)

Perimeter Protection	
Perimeter Performance AI	Advanced Model : 1 channel, 10 IVS for each channel
	General Model : 2 channels, 10 IVS for each channel
Face Detection	
Face Attributes	Gender; age group; glasses; expressions; face mask; beard
Face Detection Performance of AI	1 channel, (up to 8 face images/s)
Face Recognition	
Face Database Capacity	Up to 10 face databases and 10,000 images.
Face Recognition Performance of AI	1 channel
Trigger Events	Up to 10 face databases with 10,000 face images in total. Name,
SMD Plus	
SMD Plus by Recorder	8-channel: Secondary filtering for human and motor vehicle , reducing false alarms caused by leaves, rain and lighting condition change 1 channel
Audio and Video	
Analog Camera Input	8 channels, BNC: adaptive access by default; HDCVI, AHD, TVI and CVBS access can be configured.
Camera Input	1. CVI: 5 MP, 4 MP, 1080p@25/30 fps, 720p@50/60 fps, 720p@25/30 fps.
	2. TVI: 5 MP, 4 MP, 1080p@25/30 fps, 720p@25/30 fps.
	3. AHD: 5 MP, 4 MP, 1080p@25/30 fps, 720p@25/30 fps.
	4. CVBS: PAL/NTSC
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
	*After IP channels are added beyond the existing channels, the AI Function (IVS, SMD, FACE) will be disabled.
Encoding Capacity	Main stream: All channel 5M-N (1 fps–10 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/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	ONVIF; RTSP; Panasonic; Sony; Axis; Arecont; Pelco; Canon; SamsungCompression

Compression Standard

Video Compression	AI Coding; H.265+; H.265; 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 21.06; CGI Conformant
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
Backup Method	USB device and network
Playback Mode	Instant playback, general playback, event playback, tag playback, smart playback (face and motion detection)

Alarm

General Alarm	Motion detection, video loss, tampering
Anomaly Alarm	No disk, disk error, low space, 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	
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)
HDD Interface	1 SATA port, up to 16 TB. The maximum HDD capacity varies with environment temperature.
RS-485	1 port, for PTZ control
USB	2 USB ports (USB 2.0)
HDMI	1
VGA	1
Network Port	1 (10/100 Mbps Ethernet port, RJ-45)

General	
Power Supply	12 VDC, 2 A
Power Consumption	<7 W
Net Weight	1.1 kg (2.43 lb)
Gross Weight	1.5 kg (3.31 lb)
Product Dimensions	260.0 mm × 237.9 mm × 47.6 mm (10.24" × 9.37" × 1.87") (W × D × H)
Packaging Dimensions	333.0mm × 315.0mm × 89.0 mm (13.11" × 12.40" × 3.50") (W× D × H)
Operating Temperature	−10 °C to +55 °C (+14 °F to +131 °F)
Operating Humidity	0%–90% (RH)
Installation	Desktop
Certifications	FCC: Part 15 Subpart B CE: CE-LVD: EN 60950-1/IEC 60950-1 CE-EMC: EN 61000-3-2; EN 61000-3-3; EN 55032; EN50130; EN 55024

DVR Capacity

Resolution - BNC Channels	Recording Ability	Playback Ability
5MP-N	10 FPS	8CH @ 10 FPS
4MP-N	15 FPS	8CH @ 15 FPS
1080P	15 FPS	8CH @ 15 FPS
960H	25 FPS	8CH @ 25 FPS