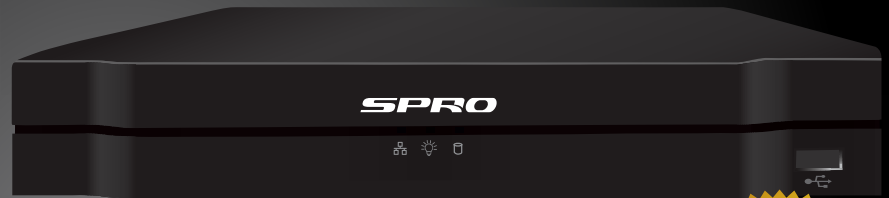# SPRO B5®

DHDVR24-B5-V2

24 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

24 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
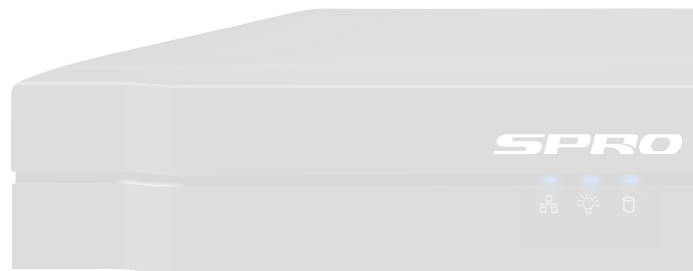
SPECIFICATIONS

Model Number	DHDVR24-B5-V2
Main Processor	Embedded Processor
Operating System	Embedded LINUX

Perimeter Protection

Performance	2 channels, 10 IVS for each channel
Object classification	Human/Vehicle secondary recognition for tripwire and intrusion
AI Search	Search by target classification (Human, Vehicle)

Face Detection

Performance	Max 12 face pictures/sec processing
	2 channel video stream face recognition, only support analog camera
Stranger Mode	Detect strangers' faces (not in device's face database).
	Similarity threshold can be set manually.
AI Search	Up to 8 target face images search at same time, similarity threshold can be set for each target face image.
Database Management	Up to 10 face databases with 10,000 face images in total. Name, gender, birthday, address, certificate type, cerificate No., countries®ions and state can be added to each face picture.
Database Application	Each database can be applied to video channels independently .
Trigger Events	Buzzer, Voice Prompts, Email, Snapshot, Recording, Alarm Out, PTZ Activation, etc.

SMD Plus

Performance	16 channels
AI Search	Search by target classification (Human, Vehicle)

Video and Audio

Analog Camera Input	16 channels, BNC
HDCVI Camera Input	5MP, 4MP, 1080P@25/30fps, 720P@50/60fps, 720P@25/30fps
AHD Camera Input	5MP, 4MP, 3MP, 1080P@25/30, 720P@25/30fps
TVI Camera Input	5MP, 4MP, 3MP, 1080P@25/30, 720P@25/30fps
CVBS Camera Input	PAL/NTSC
IP Camera Input	16+8 channels, each channel up to 6MP
Audio In/Out	1/1, RCA
Two-way Talk	Reuse audio in/out, RCA

Recording

Compression		AI Coding/H.265+/H.265/H.264+/H.264
Resolution		5M-N, 4M-N, 1080P, 1080N, 720P, 960H, D1, CIF
Record Rate	Main stream:	All channel 5M-N (1fps–10fps); 4M-N/1080P (1fps–15fps); 1080N/720P/960H/ D1/CIF (1fps–25/30fps)
	Sub stream:	D1/CIF(1fps–15fps)
Bit Rate		32Kbps–6144Kbps Per Channel
Record Mode		Manual, Schedule (General, Continuous), MD (Video detection: Motion Detection, Video Loss, Tampering), Alarm, Stop
Record Interval		1–60 min (default: 60 min), Pre-record: 1 sec–30 sec, Post-record: 10 sec–300 sec
Audio Compression		AAC(only for the 1st channel), G.711A, G.711U, PCM
Audio Sample Rate		8KHz, 16 bit Per Channel
Audio Bit Rate		64Kbps Per Channel

Display

Interface	1 HDMI ,1 VGA
Resolution	VGA: 1920×1080, 1280×1024, 1280×720 HDMI: 3840 × 2160, 1920 × 1080, 1280 × 1024, 1280 × 720 *(It changes to 1920 × 1080, 1280 × 1024, 1280 × 720 when Face or IVS&SMD is selected in AI Mode.)*
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
OSD	Camera title, Time, Video loss, Camera lock, Motion detection, Recording

Network

Interface	1 RJ-45 Port (100M)
Network Function	HTTP, HTTPS, TCP/IP, IPv4/IPv6, Wi-Fi, 3G/4G, UPnP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPoE,DDNS, FTP, Alarm Server, P2P, IP Search (Supports IP camera, DVR, NVS, etc.)
Max. User Access	128 users
Smart Phone	iPhone, iPad, Android
Interoperability	ONVIF 16.12, CGI Conformant

Video Detection and Alarm	
Trigger Events	Recording, PTZ, Tour, Video Push, Email, FTP, Snapshot, Buzzer and Screen Tips
Video Detection	Motion Detection, MD Zones: 396 (22 × 18), Video Loss, Tampering and Diagnosis
Alarm Input / Relay Output	N/A

Playback and Backup	
Playback	1/4/9/16 (It changes to 1/4 split when Face or IVS&SMD is selected in AI Mode.)
Search Mode	Time /Date, Alarm, MD and Exact Search (accurate to second)
Playback Function	Play, Pause, Stop, Rewind, Fast play, Slow Play, Next File, Previous File, Next Camera, Previous Camera, Full Screen, Repeat, Shuffle, Backup Selection, Digital Zoom
Backup Mode	USB Device/Network

Storage	
Internal HDD	1 SATA Port, up to 10TB capacity
eSATA	N/A

Auxiliary Interface	
USB	2 USB ((1 USB 2.0 , 1 USB 3.0))
RS232	1 Port, for PTZ Control
RS485	N/A

General	
Power Supply	DC 12V/2A
Power Consumption	<12W (without HDD)
Dimensions	Compact 1U, 260 mm × 238 mm × 48 mm
Net Weight	1.0kg (without HDD)
Gross Weight	1.4kg
Operating Conditions	-10°C to +55°C (+14°F to +131°F), 0%–90% RH
Storage Conditions	-20°C to +70°C (-4°F to +158°F) , 0–90% RH

Third-party Support	
Third-party Support	Arecont Vision, AXIS, Bosch, Brickcom, Canon, CP Plus, Dynacolor, Honeywell, Panasonic, Pelco, Samsung, Sanyo, Sony, Videotec, Vivotek, and more

Certifications

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, EN 50130, EN 55024