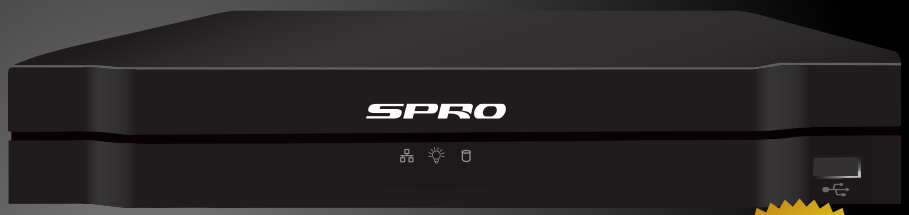
SPRO B5®

AI ARTIFICIAL INTELLIGENCE



DHDVR12-B5

12 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

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
Main Processor	Embedded Processor
Operating System	Embedded LINUX

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Perimeter Protection	
Perimeter protection	1. AI by DVR: Detection alarm for human and vehicle. Filter misinformation such as leaves and light. 2. Function configuration: Set at most 10 rules such as area intrusion and tripwire intrusion. 3. Performance: 2 channels
Live View	1. Rule box inspection: Configure the rule box and object inspection box. 2. Smart panel: Display object classification (human, vehicle), event types, triggering time, image matting and object types. Attribute is not supported. 3. Counting: Count people in Peopletotal. Count motor vehicles in Vehicle. Support exporting of associated event playback before and after 10 seconds.
Playback	1. Search conditions: According to channels, time, event types and target types. 2. Functions: Support search of associated event playback or snapshot before and after 10 seconds. 3. Snapshot capacity: 500,000
Face Detection	
Performance	1. UP to 12 face pictures/sec processing (modeling and comparing). 2. Up to 2 channels video stream (analog channel) human face detection. 3. Up to 300,000 face detection events in total.
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	
SMD Plus	1. AI by DVR: Motion detection alarm for human and vehicle. Filter misinformation such as leaves and light. 2. Performance: 8 channels , AI by DVR

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Preview	Preview: Configure and inspect detection box
Playback	1. Playback: Search videos through channels, time and target types. 2. Functions: Support search of associated event playback before and after 10 seconds.
Video and Audio	
Analog Camera Input	8 Channel, BNC
HDCVI Camera	5MP, 4MP, 1080P@25/30fps, 720P@50/60fps, 720P@25/30fps
AHD Camera	5MP, 4MP, 1080P@25/30, 720P@25/30fps
TVI Camera	5MP, 4MP, 1080P@25/30, 720P@25/30fps
CVBS Camera	PAL/NTSC
IP Camera Input	8+4 Channel, each channel up to 5MP
Audio In/Out	1/1, RCA
Two-way Talk	Reuse audio in/out, RCA
Recording	
Compression	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

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Resolution	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
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
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 2.0

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RS232	N/A
RS485	1 Port, for PTZ Control
General	
Power Supply	DC 12V/2A
Power Consumption	<10W (without HDD)
Dimensions	325mm×255mm×55mm
Net Weight	1.2kg (without HDD)
Gross Weight	1.9kg
Operating Conditions	-10°C to +55°C (+14°F to +131°F), 10%–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

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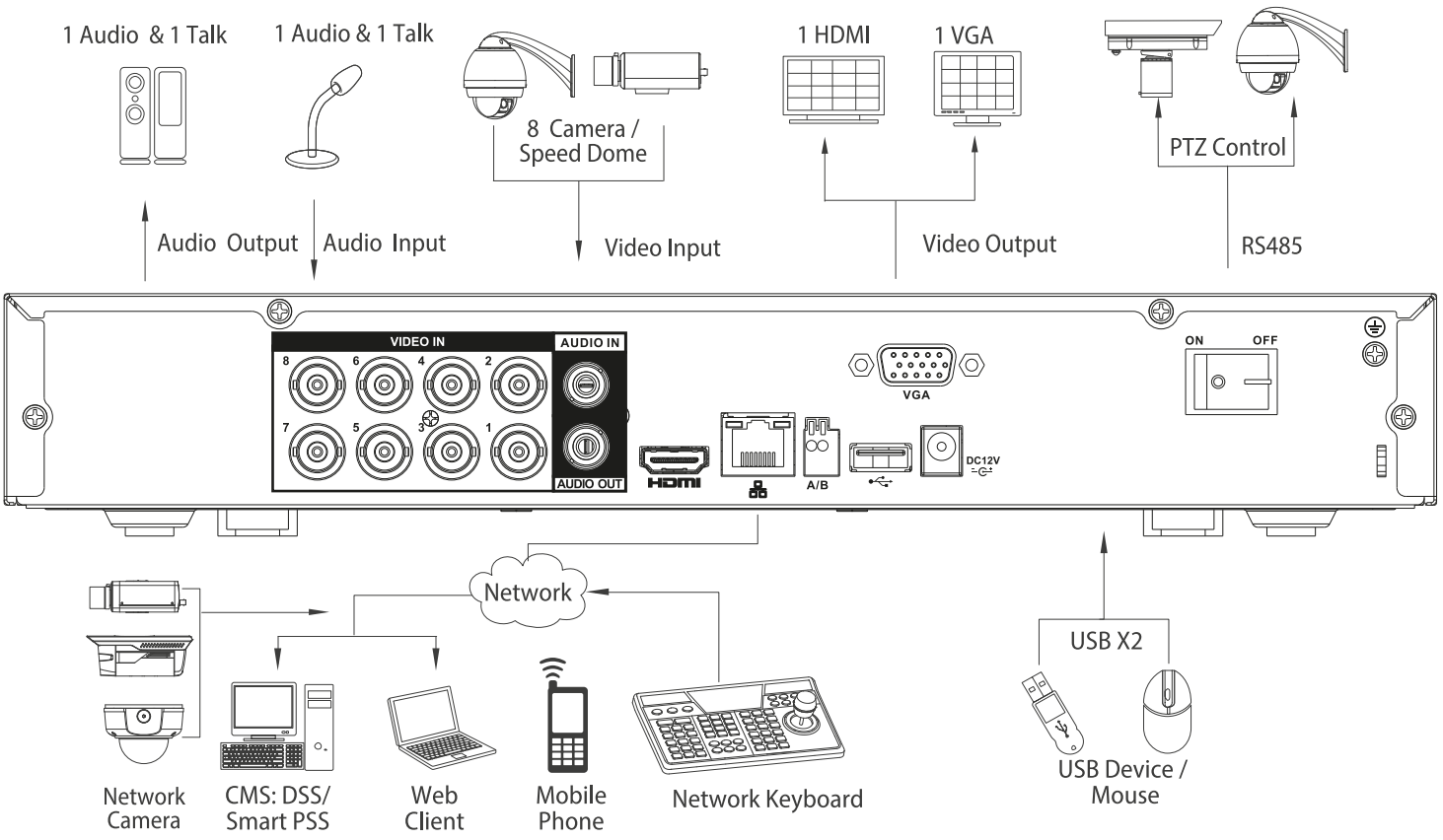
1 Audio & 1 Talk
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8 Camera / Speed Dome
1 HDMI
1 VGA
PTZ Control
Audio Output
Audio Input
Video Input
Video Output
RS485
VIDEO IN
AUDIO IN
AUDIO OUT
VGA
HDMI
A/B
DC12V
ON
OFF
Network
USB X2
Network Camera
CMS: DSS/ Smart PSS
Web Client
Mobile Phone
Network Keyboard
USB Device / Mouse