SPROM3®

DHDVR32-M3

32 Channel 4K DVR with AI Technology

AI ARTIFICIAL INTELLIGENCE

SMD+ Smart Motion Detection Plus

PERIMETER PROTECTION

Smart Fan

FACE DETECTION 2.0

TRIPWIRE

INTRUSION

Onvif

Sentinel

immix

32 CHANNELS | HDMI | VGA | PTZ CONTROL | H.265 | iPHONE & ANDROID PHONE VIEWING | APPLE MAC VIEWING | USB BACKUP
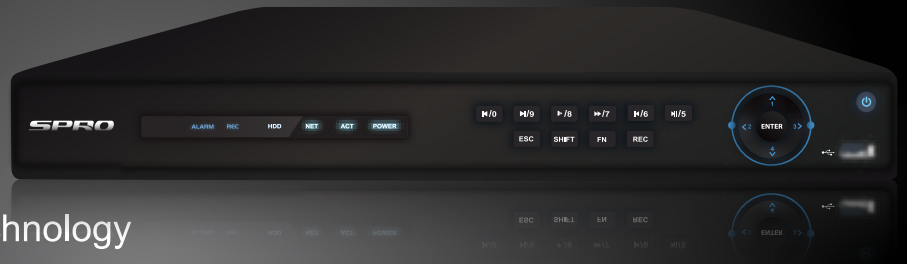
4K 8MP

Key Features:

- H.265
- 4K (8MP)@7fps, 5MP@12fps, 4MP@15fps, 1080P@25fps
- Support up to 8MP on extra IP channels
- P2P (no port forwarding required)
- SMD PLUS (smart motion detection plus)
- Perimeter protection
- Intrusion & tripwire (human & vehicle classification)
- Face detection 2.0
- Alarm : 16 (15 when using Immix) inputs & 3 outputs
- Audio out (2 way audio)
- Push notification
- 4K HDMI & VGA
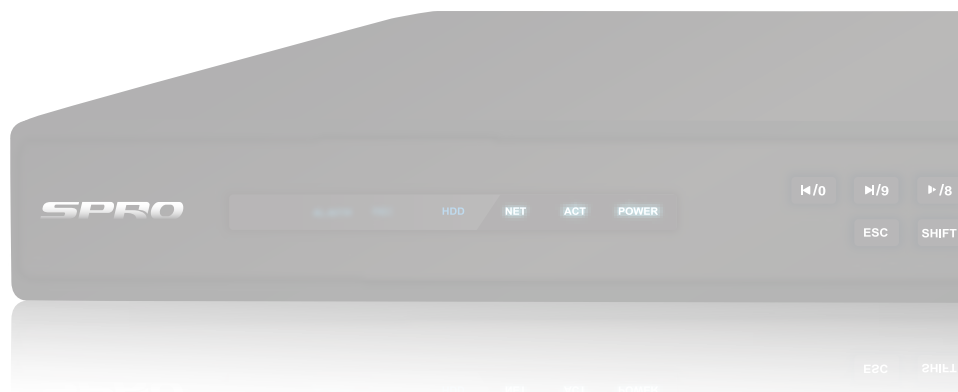
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SPECIFICATIONS

Model Number	DHDVR32-M3
Main Processor	Embedded processor
Operating System	Embedded LINUX

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 Recognition

Performance	1. UP to 12 face pictures/sec processing (modeling and comparing). 2. Up to 2 channels video stream (analog channel) human face recognition. 3. Up to 10 face databases with 10,000 face images in total. 4. Up to 300,000 face detection events in total. 5. Up to 300,000 face Recognition events in total.

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, nationality, address, ID information 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

SMD Plus	1. AI by DVR: Motion detection alarm for human and vehicle. Filter misinformation such as leaves and light. 2. Performance: 16 channels , AI by DVR
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	16 Channel, BNC
HDCVI Camera	4K, 6MP, 4MP, 1080P@25/30fps, 720P@50/60fps, 720P@25/30fps
AHD Camera	5MP, 4MP, 3MP, 1080P@25/30, 720P@25/30fps
TVI Camera	5MP, 4MP, 3MP, 1080P@25/30, 720P@25/30fps
CVBS Camera	PAL/NTSC
IP Camera Input	16+16 Channel, each channel up to 8MP
Audio In/Out	4/1, RCA
Two-way Talk	Reuse audio in/out, RCA

Recording

Compression	H.265+/H.265/H.264+/H.264

Resolution	4K, 6MP, 5MP, 4MP, 3MP, 4M-N, 1080P, 720P, 960H, D1, CIF, QCIF
Record Rate	Main stream: 4K(1fps–7fps); 6MP(1fps–10fps); 5MP(1fps–12fps); 4MP/3MP(1fps–15fps); 4M-N/1080P/720P/960H/D1/CIF/QCIF (1fps–25/30fps) Sub steram: 960H(1fps–15fps); D1/CIF/QCIF(1fps–25/30fps)
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	HDMI: 3840×2160, 2560×1440, 1920×1080, 1280×1024, 1280×720 VGA: 1920×1080, 1280×1024, 1280×720
Multi-screen Display	When IP extension mode not enabled: 1/4/8/9/16 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 (1000M)
Network Function	HTTP, HTTPS, TCP/IP, IPv4/IPv6, UPnP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPoE,DDNS, FTP, Alarm Server,P2P, IP Search (Support 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	16
Relay Output	3

Playback and Backup

Playback	1/4/9/16
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	2 SATA Ports, up to 10TB capacity for each disk
eSATA	N/A

Auxiliary Interface

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

General

Power Supply	DC 12V/5A
Power Consumption	<15W (Without HDD)
Dimensions	375mm×287mm×53mm
Net Weight	1.8kg (without HDD)
Gross Weight	3.2kg (without HDD)
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