

DR-2504P-A

DirectIP™ 2500 Series H.265 4K Recorder

NDAA & TAA Compliant



COMPACT 4-CHANNEL NVR WITH HIGH-RESOLUTION PROCESSING AND DATA REDUNDANCY

The IDIS DR-2504P-A supports 4-channel IP camera connectivity with up to 160Mbps incoming throughput, enabling stable recording and management of high-resolution images up to 12MP. It provides an efficient security environment by supporting RAID 1 for data protection and IDLA-based intelligent video analytics and BI functions. The built-in 4-port PoE switch, H.265 compression, and DirectIP-based configuration enhance installation and operational convenience. It is ideal for small-scale retail stores, offices, and residential environments that require high-definition surveillance and data reliability.

KEY FEATURES

- Total incoming throughput 160Mbps
- Up to 120ips live display
- Supports RAID 1
- Up to 120ips UHD real-time recording
- Easy to install, set-up and play with DirectIP™ cameras
- Supports one click network configuration through FEN service
- Supports H.265 / H.264 codec
- Built-in 4 channel PoE Switch
- Supports third party cameras (Axis, Panasonic, ONVIF™)
- Supports UHD display

DR-2504P-A | Datasheet

VIDEO

Video Inputs	4 IP channels
Max. Incoming Throughput	160Mbps
Supported Camera	DirectIP, AXIS, PANASONIC, ONVIF
Video Outputs	1 HDMI, 1 VGA
Display Resolution	HDMI : 3840x2160, 1920 x 1200 , 1920 x 1080, 1680 x 1050, 1600 x 1200 VGA : 1920 x 1200 , 1920 x 1080, 1680 x 1050, 1600 x 1200
Display Speed	Up to 120ips
Digital Zoom	x2 ~ x12
NVR Side Dewarping	-

RECORDING

Max. Throughput	70Mbps, 120ips@UHD
Recording Resolution	Up to 12MP (Depending on IP Camera)
Video Compression	H.265, H.264
Recording Mode	Time-Lapse, Event, Pre-Event, Panic
Trigger Event	IDLA(Object Detection, Intrusion, Loitering, Line Crossing, Face Detection), BI(Exceed Occupancy Limit, Social Distancing, Mask Rule Violation, Queue Congestion), Motion, Trip-zone, Tampering, Video Loss, Audio Detection, Alarm In, Network Alarm, Text-in, System, Etc.

PLAYBACK

Performance	4ch synchronous playback 4ch 4K playback
Search Mode	Time-lapse, Event Log, Text-in, Thumbnail, Metadata(via IDIS Center, IDIS Solution Suite)
Digital Zoom	x2 ~ x12

STORAGE

HDD	SATA x 2, eSATA x 1, RAID 1 Supported
Total Capacity	44TB=10TB x 2(Internal) + 6TB x 1x4(External)

NETWORK

Client Connection	Gigabit Ethernet(Client) x1
Video In Connection	Fast Ethernet(IP Camera) x4
Transmission Speed	50Mbps / 100Mbps(BRP Mode)

PSE Power	PoE(IEEE 802.3at class 4) supported 4 ports, 30W
Event Notification	Email (attach clip (.cbf) .MP4), Callback to Remote S/W, Push notification (IDIS Mobile)
Two-way Audio	Yes

INTERFACE

Audio In / Out	Local(NVR) : - / 1RCA + 1HDMI IP Camera : 4 / 4 (Depending on IP Camera)
Alarm In / Out	Local(NVR) : 4 / 1 IP Camera : 4 / 4 (Depending on IP Camera)
Alarm Reset In	-
Serial Interface	RS232 (Terminal Block)
USB	USB 2.0 x 1, USB 3.0 x 1
User Interface	Mouse, IR Remote Control, Network Remote Keyboard

GENERAL

Operating System	Embedded Linux
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ENVIRONMENTAL

Operating Temperature	0°C to 40°C (32°F ~ 104°F)
Operating Humidity	0% ~ 90%

ELECTRICAL

Power Consumption	NVR: 12V=, 2.2A, 26.4W PSE: 48V=, 0.64A, 30.72W MAX
Approval	FCC, CE, KC

MECHANICAL

Unit Dimensions (W x H x D)	300mm x 62mm x 231 mm (11.8" x 2.4" x 9.1")
Unit Weight	2.2kg (4.9lb) (with 1 HDD)

DIMENSIONS

Unit - mm (inch)

