80 CHANNEL NETWORK VIDEO RECORDER

HD-NVR-5480I

- **80 CH NVR –** 400Mbps Incoming / 400Mbps Outgoing Bandwidth
- **Max Resolution –** 16MP/12MP/8MP/6MP/5MP/4MP/3MP/1080P/ UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF
- **Compression –** Smart H.265+ / H.265 / H.264+ / H.264
- **Video Output –** HDMI & VGA up to 4k Support
- **Multi Display –** 1/2/3/4/5/6/7/8/9/10/12/13/16/20A/20B/ 25/32/36/40/64/80
- **Playback –** 16 CH Simultaneous Playback
- **Storage –** 4× SATA Up to 20TB HDD Capacity
- **AI by Camera –** Tripwire, Double Tripwire, Perimeter, Object Abandon/Missing, Loitering, Face Detection, Running, Parking, Crowd Detection etc.



80 CH NVR MULTI RECORDING

16 MP MAX RESOLUTION

4 SATA SLOT UPTO 20TB

400 MBPS 400 MBPS INCOMING/OUTGOING BANDWIDTH

AI FEATURES BY CAMERA

SYSTEM OVERVIEW

Supports up to 80 Channels with high 400Mbps incoming and outgoing bandwidth for seamless large-scale surveillance performance. Delivers ultra-clear imaging up to 16MP with powerful multi-format decoding for smooth live view and playback. Advanced AI-powered analytics including face detection, perimeter protection, people counting, and intelligent event detection. Flexible storage with 4 SATA HDD supports 20TB Hard Disk Capacity. Designed for enterprise-level security with robust networking, multi-screen display, and efficient video compression technology.

ABOUT HIFOCUS

HI-FOCUS is a trusted leader in surveillance and networking solutions with more than a **Decade of experience** in CCTV Industry. We deliver innovative, reliable, and high-performance security products designed to meet global quality standards. Every HI-FOCUS product is engineered with precision and rigorously tested to ensure superior performance and customer satisfaction.

Design and specifications are subject to change without notice. Visit HiFocusCctv.com for the latest product information /specification.

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80 CHANNEL NETWORK VIDEO RECORDER | HD-NVR-5480I

Video and Audio Performance

Supports 80 channels with 400 Mbps incoming and outgoing bandwidth. It handles resolutions from 16MP to QCIF, with preview decoding up to 4CIFx80 and playback up to 720Px16. Includes 1 audio input, 1 audio output, and 1 two-way audio channel for complete multimedia monitoring.

Compression & Network Compatibility

Video compression supports Smart H.265+, H.265, Smart H.264+, and H.264, while audio uses G711A, G711U, AAC, and ADPCM_DIV4. Compatible with ONVIF (Profile T/S/G), CGI, SDK, P2P, and web/mobile clients (Android, iOS). Network protocols include TCP/IP, UDP, HTTP/S, RTSP, FTP, SNMP, and more for versatile connectivity.

Recording and Playback Features

Supports 16-channel simultaneous playback with manual, alarm, and scheduled recording modes. Local HDD storage is available, with backup via USB or network; dual-stream recording is supported. Playback includes play, pause, stop, slow, speed, step, digital zoom, and video editing capabilities.

Alarm and Intelligent Analytics

General alarms include motion detection, mask alarms, IPC/NVR input alarms, and manual triggers. Exception notifications cover IP/MAC conflicts, network issues, disk errors, voltage anomalies, and video abnormalities. AI analytics detect tripwire, perimeter breaches, crowd, helmet, license plate recognition, environmental monitoring, and advanced intelligence features.

Face Recognition and VCA Features

Detects gender, age, glasses, mask, and body temperature. Supports up to 300 face libraries with 100,000 base images; works with facial recognition machines. VCA search and reporting include heatmap, early-warning, behavior analysis, people counting, and license plate detection.

Storage, RAID, and Interface

Four SATA HDD ports support up to 20TB each, with RAID options (JBOD, RAID0/1/5/6/10). Interfaces include 1 USB2.0, 1 USB3.0, 2 RJ45 network ports, RS232, and RS485. Backup and network integration make it suitable for enterprise

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CORE FEATURES

Video and Audio

Channel	80
Incoming Bandwidth	400Mbps
Outgoing Bandwidth	400Mbps
Resolution	16MP/12MP/8MP/6MP/5MP/ 4MP/3MP/1080P/UXGA/720P/ VGA/4CIF/DCIF/2CIF/CIF/QCIF
Preview Decoding Capability	16MPx2, 12MPx3, 8MPx4, 6MPx4, 5MPx6, 4MPx8, 3MPx9, 1080Px16, 720Px32, 4CIFx80
Playback Decoding Capability	16MPx2, 12MPx3, 8MPx4, 6MPx4, 5MPx6, 4MPx8, 3MPx9, 1080Px16, 720Px16
Compatibility	ONVIF(profile T/S/G), CGI, SDK, P2P
HDMI Output	HDMI: 800x600(60Hz), 1024x768(60Hz), 1280x720 (50Hz/60Hz), 1280x800(60Hz), 1366x768(60Hz), 1440x900 (60Hz), 1920x1080(50Hz/60Hz), 2560x1440(30Hz/60Hz), 2560x1600(60Hz), 3840x2160 (30Hz/60Hz
VGA Output	HDMI: 800x600(60Hz), 1024x768(60Hz), 1280x720 (50Hz/60Hz), 1280x800(60Hz), 1366x768(60Hz), 1440x900 (60Hz), 1920x1080(50Hz/60Hz), 2560x1440(30Hz/60Hz), 2560x1600(60Hz), 3840x2160 (30Hz/60Hz
Multi-screen Display	1/2/3/4/5/6/7/8/9/10/12/13/16/ 20A/20B/25/32/36/40/64/80
Audio Input	1CH
Audio Output	1CH
Two-Way Audio	1CH

Compression Standard

Video Compression	Smart H.265+, H.265; Smart H.264+; H.264
Audio Compression	G711A, G711U, AAC, ADPCM_D
Stream Type	Video, Video & Audio

Network

Network Protocol	ARP, DDNS, DHCP, DNS, Easy DDNS, FTP, HTTP, HTTPS, ICMP, IGMP, IPv4, IPv6, Multicast, NFS, NTP, PPPoE, RTCP, RTP, RTSP, SMB/CIFS, SMTP, SNMP, SRTP, SSH, SSL, TLSv1.2,TLSv1.3, TCP/IP, UDP, Unicast, UPnP
Moblie Client	Android, iOS
Web	IE10+, Firefox52+, Edge89+, Safari11+, Chrome57+

Recording

Multi-channel Playback	16
Record Mode	Manual Recording, Alarm Recording, Schedule Recording
Storage Method	Local HDD
Backup	USB storage device, Network
Playback Function	Play/Pause/Stop/Slow/Speed /Backwards 30s/Forwards 30s/Full screen/backup (video Editing)/Step/ Digital Zoom
Dual Stream Record	Supported

Alarm

General Alarm	Motion, Mask Alarm, Alarm Input(IPC), Video Loss, Alarm Input(NVR), Manual Alarm

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Exception Notification	IP Conflict, MAC Conflict, Network Disconnected, No disk, Illegal Access, Disk group space alert, Disk Full, Disk R/W error, Video Abnormal, Abnormal found in smart of disk, Abnormal temperature of the disk, Hot-spare Exception, Array Exception, IPC voltage abnormal, RTC failure
Alarm I/O	16CH IN / 4CH OUT

Intelligent Analytics

AI by Camera	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Missing, Loiter, Running, Parking, Heatmap, Lens Dignose, Scene Switch Dignose, Signal Abnormal Detection, Signal Loss Detection, Plate License Recognition, On Duty Detection, Crowd Detection, Parking guard, Safety Helmet Detection, Electric vehicle testing, People Counting, Link To Tracking, Fireworks detection, Environmental temperature measurement, Face Detection, Human body temperature measurement, Advanced Intelligence
VCA Search	Heatmap, Early-warning search, Behavior Search, Plate license search, Search safety helmet, Thermographic retrieval, Duty search, Electric vehicle retrieval, Facial search
VCA Report	Heatmap, People Counting, Face Statistics

Face Recognition

Face Attributes Detection	Gender, age, glasses, Face mask, Body temperature
Face Picture Library	Up to 300 face libraries Up to 100000 base images
Face Picture Comparison	Cooperate with facial recognition machine

Storage

Hard Disk Capacity	4 SATA ports, up to 20 TB

INTERFACE

USB	1xUSB2.0, 1xUSB3.0
Network Interface	2xRJ-45, 10/100/1000 Mbps self-adaptive Ethernet port

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RS-232	1x RS232
RS-485	1x RS485

General

Power Supply	DC12V 5A
Power Consumption	＜15W(HDD not included)
NetWeight	3.3Kg
GrossWeight	5.05Kg
Boundary Dimensions	440(L)347(W)75(H)mm
Package Dimensions	540(L)175(W)455(H)mm
Operating Temperature	-10°C～+55°C
Operating Humidity	10%~90%RH
Storage Temperature	-10°C～+55°C
Storage Humidity	10%~90%RH

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Dimensions

