Concept ◇ Pro

| 8MP | 16CH PoE | 4K Display Output | H.265 | Alarm & Audio I/O | WD Purple™ |

VUHDIP-32

Concept Pro 32 Channel 8MP NVR with PoE

The Concept Pro VUHDIP-32 model is a 32 channel professional NVR that can record up to 8 megapixel, 4K UHD network video on all channels. The VUHDIP range also supports the latest H.265 video compression codec for greater storage savings. The NVR offers a range of features suited for advanced applications, including remote monitoring station integration, P2P connectivity for remote viewing on mobile devices, and compatibility with the license-free iPIMS VMS.
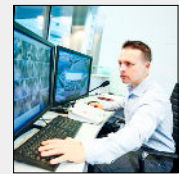
Professional Remote Monitoring

Provides 24 hour remote monitoring for clients and is available on all Concept Pro recorders with Alarm Receiving Stations using Immix Cloud and Sentinel platforms.

Deep Learning Video Analytics

This product supports the latest Deep Learning video analytics technology when compatible Concept Pro IP cameras are connected. Easily configure Deep Learning Motion Detection and advanced video analytics rules from the recorder user interface and begin reducing false alarms by up to 95% with the power of Deep Learning.

Enhanced Security

This product supports a suite of security-related features, including pin unlock, security questions, email password reset, automatic password expiration, encryption, and more settings designed to ensure authorised users are accessing the device.
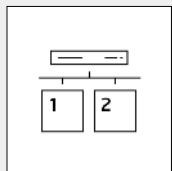
Dual LAN

The recorder creates a secondary LAN specifically for CCTV cameras to separate the CCTV equipment from the existing site network, This ensures the cameras remain secure from network threats or network problems that may exist on site as well as protecting the overall network from the camera data traffic.

KEY FEATURES

- 16 PoE IP Camera Inputs, Total 32 channels
- Secure P2P Connection
- 8MP Camera Video Recording (4K UHD)
- H.265 and H.264 Video Codec Support
- 4K HDMI and VGA Display Output
- Up to 24TB Internal Hard Disk
- Enhanced Password Security Rule
- Arm/Disarm Switch to Configure Alarm Notifications
- 8 Alarm Inputs
- Concept Pro Deep Learning video analytics inside all recorders
- WD Purple Surveillance HDD's
- Dual LAN with Configurable DHCP server

OTHER FEATURES

- 8CH Alarm Input/1CH Alarm Output
- Two Way Audio & Audio Recording
- Remote Monitoring via Concept Pro Viewer Mobile App
- Supported by iPIMS License-free VMS
- Thumbnail and Event Search
- Instant Playback
- Integrated Network Alarm Support
- Trigger Alarm Output Remotely
- Mouse and remote included

COMPATIBLE WITH

Concept Pro Camera Range

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Concept◆Pro

SPECIFICATION

VIDEO AND AUDIO INPUTS/OUTPUTS

IP Video Inputs	x32
Power over Ethernet (PoE) Inputs	x16 PoE 802.3af/PoE+ 802.3at
Supported Video Signal Types	PAL/NTSC
Supported Video Resolution/Frame Rate	Max. 25FPS @ 3840x2160 (8MP 4K UHD) per channel
Incoming Bandwidth	Max. 160Mbps
Max PoE Output per Channel	Max. 25W per channel, Total Max. 180W
Audio Inputs	x1 + IP Camera Audio Input x16
Audio Outputs	x1
Two-Way Audio	Yes
Audio Compression Codec	G.711u

RECORDING

Video Compression Codec	H.265/H.264 (BP,MP,HP)
Recording Resolution	Max. 8MP (3840x2160) /5MP/4MP/3MP/2MP/1MP/D1/CIF
Recording Rate	Max. 400FPS @ 3840x2160 (8MP UHD)
Bit Rate	VBR/CBR, Stream 1: 1,000-4,000Kbps, Stream 2: 600-1,000Kbps
Recording Modes	Continuous, Intensive (Motion, Alarm, Panic)
Recording Scheduling Method	Hourly/Daily/Weekly
Pre-Event Recording	Yes, 0/1/2/3/4/5/10/15s
Post-Event Recording	Yes, 5/10/15/20/30/60/180s
Reserved Data/Bookmarking	Yes
SSC	Yes

DISPLAY

Main Display Outputs	HDMI x1, VGA x1
Main Display Resolution	3840x2160/1920x1080/1280x1024/1280x720
Main Display Resolution Configuration	Auto/Manual
Dual Monitor Functions	Main Display Mirroring
Display Rate	Max. 400FPS; 1CH: 25FPS @ 8MP, 4CH:25FPS@8MP, 9/16CH: 25FPS@2MP
Display Mode	1CH/4CH/5/CH/6CH/9CH/16CH
Programmable Sequence	Supported, 1CH/4CH/5CH/6CH/9CH/16CH
Spot Monitor Output	BNC x1
Spot Monitor View Type	1CH/4CH Split Screen
PTZ Control	Network, RS-485 (Pan, Tilt, Zoom, Focus, Iris, Preset Sync)
Monitor PoE & Network Status	Yes

SEARCH & PLAYBACK

Search Modes	Calendar (Date/Time HH:MM:SS), Timeline, Thumbnail, Deep Learning Event
Event Search Options	Instant Playback, Alarm, Motion, Video, Record, System, Storage, Network, Setup
Playback Display Mode	1CH/4CH/5/CH/6CH/9CH/16CH
Simultaneous Playback	Max. 400FPS; 1CH: 25FPS @ 8MP, 4CH:25FPS@8MP, 9/16CH: 25FPS@2MP
Playback Speed	1x, 2x, 4x, 8x, 16x, 32x, 64x

ARCHIVING

Archiving Devices	USB, FTP
Remote Archiving	Web, iPIMS (PC), FTP
Archived Video Format	RAW/AVI
Backup Encrption	MD5, with Built-in Verification Watermark
Snapshot	Live, Playback (JPEG)

NETWORK

Network Interface	2x RJ-45 10M/100M/1000M Ethernet
POE Standard	PoE 802.3af/PoE 802.3at
Max. User Connections	32
Remote Web Access	Internet Explorer (Live 1CH/4CH/9CH/16CH), Search, Playback, PTZ, Setup), Chrome, Firefox (Live 1CH Second Stream, Setup)
Smart Phone Mobile App	Concept Pro Viewer (iOS/Android)
PC Software	iPIMS (PC) Version 2.2.10.28 onwards
Transmission Rate	Max. 800FPS
Adaptive Network Streaming	Yes
P2P Cloud Service	Yes (European Servers)
DDNS Service	Yes, DVRLINK Free Service
Support IPv4 / IPv6	IPv4/IPv6
Dual SMTP E-mail Server	Yes (with SSL support)
Remote Monitoring	Immix, Sentinel
Interoperability	ONVIF Profile S, HTTP/RTSP SDK
Network Protocols	WS-Discovery, RTP, RTSP, RTCP, SMTP, NTP, HTTP, FTP, DDNS, DHCP, uPNP (Router Port Forwading), HTTPS, SSL

ALARM INTERFACE AND EVENT NOTIFICATION

Alarm Inputs	x8 (NVR), x32 (IP Camera), Virtual Alarm (CGI)
Alarm Input Trigger Actions	Alarm Recording, Alarm Output, PTZ Preset, Event Notification, Video Pop-up
Alarm Outputs	x1 (NVR Relay), x 32 (IP Camera)
Motion Detection	Yes (supported IPC)
Motion Detection Trigger Actions	Motion Recording, Alarm Output, PTZ Preset, Event Notification
Event Notification	Buzzer, Video Pop-up, Video Pop-up, E-mail, FTP, Mobile Push
E-mail Notification	Yes, Snapshot Optional
E-mail Notification Schedule	Up to 10 Schedules
Alarm Arm/Disarm Function	Yes
System Detection	Video Loss, Disk, Record, System, & Network Event Detection
Deep Learning Video Analytics	Compatible with Concept Pro Deep Learning IP Camera models & Deep Learning Plus

STORAGE

Internal Hard Disk	x2 Max. 24TB
SMART Support	Yes, Manual/Automatic
RAID Configuration	No, please see VUHDIPE
Partial Data Deletion	Yes
External Storage Support	FTP/NAS (for backup)

SECURITY

Enhanced Security Rules	Yes
Covert Camera	Yes, Configurable by User and Group Authority
Privacy Masking	Yes, Max. 4 Areas (supported IP cameras only)
User Groups	Max. 3 (Admin/Manager/User)
Number of Users	Max. 10
Group Authority	Search, Archiving, System Setup, Record Setup, Event Action Control, Audio, Remote Access, Shutdown
Network Security Features	IP Filter, RTSP Encryption (SEED_128), HTTPS
System Security Features	Password Expiration, Auto Log-out, Search/Archiving Password Check, Audio Support Toggle, Snapshot Support Toggle
Encrypted System Settings File Import/Export	Yes

AUXILIARY INTERFACE

USB	x2
RS-485	x1
Supported RS-485 Protocols	Pelco-D, Pelco-P, D-max, etc.
RS-232	-
Remote Control	Yes (Included)
Keyboard Controller	RS-485

SYSTEM

Language	English French Dutch German Spanish
Max UTP Transmission	100m
Firmware Upgrade	USB, Network

GENERAL

Operating System	Concept Pro UI
Power Supply	SMPS 51V/200W
BTU/h	Max. 37.53 BTU/h without HDD or cameras
Power Consumption	Max. 11W without HDD or Cameras
Fan	x1
Dimensions	Unit: 380(W) × 314.6(D) × 44(H) mm, 1U
Rack Mountable	Yes
Net Weight	Unit : 2.52 kg
Gross Weight	3.82 kg
Operating Conditions	0°C to +40°C, 10 - 90% NC
Storage Conditions	0°C to +50°C, 10 - 90% NC

CERTIFICATIONS
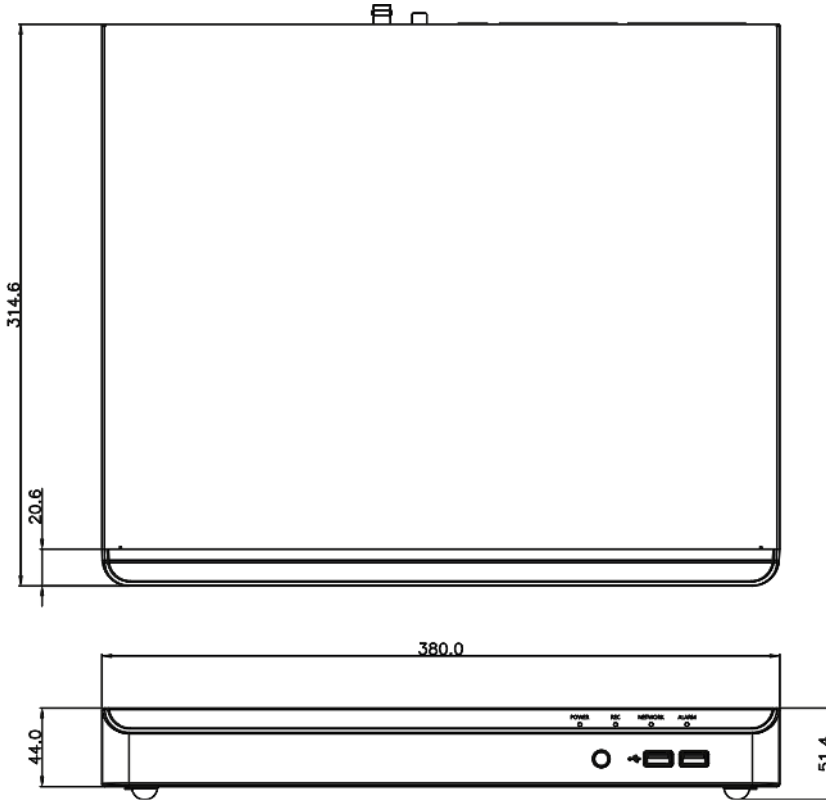
Certifications	FCC, CE

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Concept Pro

DIMENSIONS

314.6

20.6

380.0

44.0

51.4

REAL PANEL

HDD OPTIONS & OTHER PRODUCTS IN THE RANGE

◆ **VUHDIP-4-3/1000**	Concept Pro 4 Channel 8MP NVR 1TB
◆ **VUHDIP-4-3/2000**	Concept Pro 4 Channel 8MP NVR 2TB
◆ **VUHDIP-4-3/3000**	Concept Pro 4 Channel 8MP NVR 3TB
◆ **VUHDIP-4-3/4000**	Concept Pro 4 Channel 8MP NVR 4TB
◆ **VUHDIP-4-3/6000**	Concept Pro 4 Channel 8MP NVR 6TB
◆ **VUHDIP-4-3/8000**	Concept Pro 4 Channel 8MP NVR 8TB
◆ **VUHDIP-4-3/10000**	Concept Pro 4 Channel 8MP NVR 10TB
◆ **VUHDIP-8-3/1000**	Concept Pro 8 Channel 8MP NVR 1TB
◆ **VUHDIP-8-3/2000**	Concept Pro 8 Channel 8MP NVR 2TB
◆ **VUHDIP-8-3/3000**	Concept Pro 8 Channel 8MP NVR 3TB
◆ **VUHDIP-8-3/4000**	Concept Pro 8 Channel 8MP NVR 4TB
◆ **VUHDIP-8-3/6000**	Concept Pro 8 Channel 8MP NVR 6TB
◆ **VUHDIP-8-3/8000**	Concept Pro 8 Channel 8MP NVR 8TB
◆ **VUHDIP-8-3/10000**	Concept Pro 8 Channel 8MP NVR 10TB
◆ **VUHDIP-8-3/12000**	Concept Pro 8 Channel 8MP NVR 12TB
◆ **VUHDIP-8-3/16000**	Concept Pro 8 Channel 8MP NVR 16TB
◆ **VUHDIP-8-3/20000**	Concept Pro 8 Channel 8MP NVR 20TB
◆ **VUHDIP-16-3/1000**	Concept Pro 16 Channel 8MP NVR 1TB
◆ **VUHDIP-16-3/2000**	Concept Pro 16 Channel 8MP NVR 2TB
◆ **VUHDIP-16-3/3000**	Concept Pro 16 Channel 8MP NVR 3TB
◆ **VUHDIP-16-3/4000**	Concept Pro 16 Channel 8MP NVR 4TB
◆ **VUHDIP-16-3/6000**	Concept Pro 16 Channel 8MP NVR 6TB
◆ **VUHDIP-16-3/8000**	Concept Pro 16 Channel 8MP NVR 8TB
◆ **VUHDIP-16-3/10000**	Concept Pro 16 Channel 8MP NVR 10TB
◆ **VUHDIP-16-3/12000**	Concept Pro 16 Channel 8MP NVR 12TB
◆ **VUHDIP-16-3/16000**	Concept Pro 16 Channel 8MP NVR 16TB
◆ **VUHDIP-16-3/20000**	Concept Pro 16 Channel 8MP NVR 20TB

RECOMMENDED ACCESSORIES

◆ **CAT6-305**	305M CAT6 Solid Green
◆ **CAT6-305 DUCT GRADE**	305M CAT6 Duct Grade Black
◆ **VHD-IPEXTEND**	Ethernet Extender (IP Extender)

COMPATIBLE WITH

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