

# Concept Pro

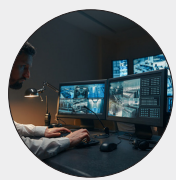
- 8CH POE
- 8MP
- 4K Display Output
- H.265
- x2/x1 Alarm I/O
- WD Purple



## VUHDIPL-8-2

### Concept Pro Lite 8 Channel 8MP NVR with PoE

The VUHDIPL-8-2 model is an eight channel network video recorder designed to satisfy most entry-level to professional requirements. It has eight channels of PoE/PoE+ built-in, supports the latest H.265 video compression codec for greater storage and bandwidth savings, and provides real-time recording performance at up to 8-megapixel resolutions across all channels.



#### 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.



#### NDAA Compliant

This product uses the latest in chipset technology from Taiwan and is developed in South Korea without the use of restricted components.



#### Enhanced Security

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

### KEY FEATURES

- 8 PoE/PoE+ IP Camera Inputs
- H.265 & H.264 Video Codec Support
- Real-time 8MP Recording for all Channels
- Max. 3840x2160 4K UHD Display Output
- Up to 20TB Internal Hard Disk Capacity
- Smart Storage Compression
- Audio Recording & HDMI Audio Out
- x2/x1 Alarm I/O
- Compatible with Concept Pro Deep Learning Video Analytics
- WD Purple Surveillance Hard Disks Pre-installed

### OTHER FEATURES

- NDAA-compliant
- Remote Monitoring via Concept Pro Viewer Mobile App
- Supported by i-PIMS license-free VMS
- Timeline, Thumbnail, Event, and Deep Learning Search Modes
- Instant Playback
- Integrated Virtual Alarm Support
- Mouse and remote included
- Total 180W PoE Capacity



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## SPECIFICATION

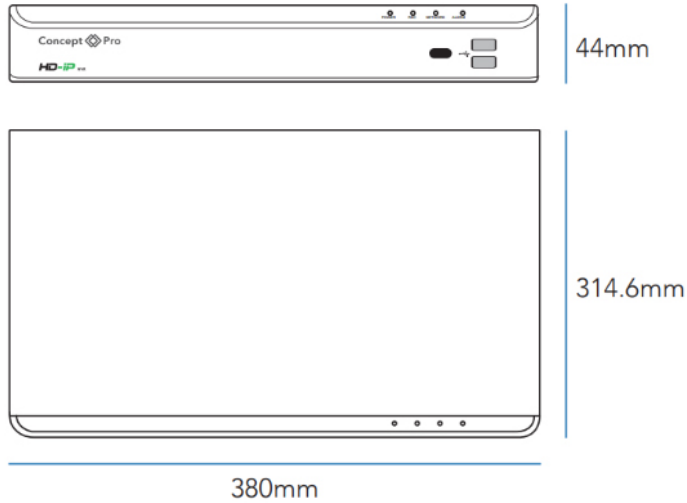
Video and Audio		Event	
IP Video Inputs	x8	Alarm Inputs	x2 (NVR) + x8 (IP Camera)
Video Signal	PAL/NTSC	Alarm Outputs	x1 (NVR Relay) + x8 (IP Camera)
Max. Resolution/Frame Rate	Max. 25/30FPS @ 3840x2160 (8MP 4K UHD) per channel	Alarm Event Triggers	Alarm Recording, Alarm Output, PTZ Preset, E-mail/Mobile Push/FTP Event Notification, Video/OSD Pop-up, Buzzer
Video Compression Codec	H.265/H.264 (BP, MP, HP)	Basic Motion Detection	Supported (Depending on IP Camera Specification)
Incoming Bandwidth	Max. 74Mbps	Deep Learning Motion Detection	Supported (Select Concept Pro IP Camera Models)
Bit Rate Control	CBR/VBR/VBR+	DL Motion Detection Objects	Human/Car/Bike
Bit Rate per Channel	Stream 1: 1,000-8,000Kbps Stream 2: 600-2,000Kbps	Motion Event Triggers	Motion Recording, Alarm Output, PTZ Preset, E-mail/Mobile Push/FTP Event Notification, Buzzer
Power over Ethernet (PoE) Inputs	x8	System Event Types	Video Loss, Disk Overwrite Start, Disk Full, Disk Space x% Exhausted, HDD SMART, No Disk, Panic Record Start, Booting, Login Fail, PoE Fail, Trouble in Internet Connection, Fail in DDNS Update, IP Conflict
PoE Standard	PoE 802.3af/802.3at	POS/ATM Events	Supported
PoE Output	Max. 25W per channel Max. 180W total	Deep Learning Events	Concept Pro Deep Learning IP Cameras Supported
PTZ Cameras	Supported, Network/RS485 (Pan/Tilt/Zoom, Scan, Tour, Preset Add/Delete/Sync)	Deep Learning Objects	Human/Car/Bike
Audio Inputs	x8 (IP Camera Audio Input)	Deep Learning Rule Types	Forward/Reverse Line Crossing, Intrusion, Region Enter/Exit, Loitering, Stopping, Counter
Audio Outputs	x1 (HDMI)	Deep Learning Live Timeline	Supported, with Object Thumbnails & Instant Playback
Two-way Audio	-	Deep Learning Event Triggers	DL/Alarm Recording, Alarm Out, Preset, Buzzer, Video Popup, E-mail Notification, FTP Notification, Mobile App Push Message
Audio Compression Codec	G.711µ-law	Deep Learning Double Knock	Supported
<b>Recording</b>		E-mail Notification	Yes, Snapshot Optional
Recording Resolution	8MP (3840x2160)/5MP/4MP/3MP/2MP/1MP/D1/CIF	E-mail Notification Schedule	Yes, Max. 10 Schedule Profiles
Recording Rate	Max. 200/240FPS @ 3840x2160 (8MP 4K UHD)	Alarm Arm/Disarm Function	Supported
Recording Modes	Automatic/Manual Recording Profiles with Continuous, Motion, Deep Learning/Alarm, Panic Modes	<b>Storage</b>	
Recording Scheduling	Hourly/Daily/Weekly	Internal Hard Disk	SATA x2, Max. 20TB
Pre-Event Recording	Yes, 0/1/2/3/4/5/10/15s	Hard Disk Health Monitoring	Yes (SMART)
Post-Event Recording	Yes, 5/10/15/20/30/60/180s	RAID Configuration	No, please see VUHDIPLE model
Smart Storage Compression (SSC)	Supported	Partial Data Deletion	Supported
<b>Display</b>		External Storage Support	FTP (Backup)
Main Display Outputs	HDMI x1, VGA x1	<b>Security</b>	
Display Resolution	3840x2160/2560x1440/1920x1080/1280x124/1280x720	Enhanced Security Rules	Supported, enabled by default
Display Configuration	Auto/Manual	Covert Channels	Supported, configurable by user and group authority
Dual Monitor Functionality	Main Display Mirroring	Privacy Masking	Supported (Select Concept Pro IP Camera Models)
Display Decoding Rate	Max. 200/240FPS; Max. 60FPS@8MP	User Groups	Admin/Manager/User
Split Screen Mode	1CH/4CH/5CH/6CH/9CH	Number of Users	Max. x10
Programmable Sequence	Supported, 1CH/4CH/5CH/6CH/9CH	Group Authority	Search, Archiving, System Setup, Record Setup, Event Action Control, Listen to Audio, Microphone, Remote Login, PTZ Control, Shutdown
Spot Monitor Output	-	Network Security	Unrequired network protocols off by default (SNMP, FTP, DDNS, P2P, etc.), RTSP encryption (SEED_128), HTTPS Digest, IP filter, Netstat, Ping test, IP conflict list, Live connected clients list with lockout, Auto Port Forwarding off by default
Spot Monitor Mode	N/A	System Security	Required ADMIN password change, password recovery e-mail authentication, enhanced user ID/password on by default, direct user ID input on by default, audio transmission and recording off by default, auto logout, password expiration, system log, user authority, password check for search/backup, password check for disk management, Encrypted System Settings File Import/Export
<b>Search &amp; Playback</b>		<b>Interface</b>	
Search Modes	Calendar (Date/Time), Timeline, Thumbnail, Event, Text-in (POS), Deep Learning	USB	x2 (Front)
Event Search Options	Alarm, Video, System, Network, Setup, Motion, Record, Storage, IPCAM, POS/ATM	RS-485	x1 (Pelco-D, Pelco-P, D-max, etc.)
Deep Learning Search Options	Event Type, Object/Keyword	Keyboard Controller	Supported (RS-485)
Playback Decoding Rate	Max. 200/240FPS; Max. 60FPS@8MP	Remote Control	Included
Split Screen Mode	1CH/4CH/5CH/6CH/9CH	RS-232	-
Playback Speed	1x/2x/4x/8x/16x/32x/64x	<b>System</b>	
Quick Playback	Yes, via Live Menu Timeline or Quick Menu	Language	English, Spanish, German, French, Dutch, Italian, Korean, Chinese, Japanese, Polish
<b>Archiving</b>		Max. UTP Transmission	90m
Archiving Devices	USB, FTP	Firmware Upgrade	USB, Network
Remote Archiving	Web, i-PIMS (PC), FTP, Concept Pro Viewer Mobile App	Operating System	Concept Pro User Interface, NDAA-compliant SoC
Archived Video Format	RAW/AVI	<b>General</b>	
Archive File Size	Max. 20GB	Power Supply	SMPS 51V/200W
Backup Encryption	MD5 with Built-in Verification Watermark	Power Consumption	Max. 16W without HDD or cameras
Snapshot	Live, Playback (JPEG)	Fan	x1
Bookmarking	Supported	Dimensions	1U, (W) 380mm x (D) 314.6mm x (H) 44mm
Reserved Data Management	Supported	Rack Mount	Supported
<b>Network</b>		Net Weight	2.75kg
Network Interface	x2 RJ45 10/100/1000M Ethernet	Operating Conditions	0°C to +40°C, 10%-90% Humidity (NC)
Max. User Connections	x10	Certifications	CE, FCC
Transmission Rate	Max. 200/240FPS		
Adaptive Network Streaming	Supported		
Outgoing Bandwidth	Max. 72Mbps		
IP Address Support	IPv4, IPv6		
Dual SMTP E-mail Server	Supported		
Remote Web Access	Internet Explorer: Live Video, Search, Playback, Setup Chrome, Firefox: Live JPEG, Setup Concept Pro Viewer (iOS/Android)		
Mobile App	Concept Pro Viewer (iOS/Android)		
PC Software	i-PIMS CMS		
P2P Cloud Service	Yes, European Servers		
DDNS Service	Yes, DVRLINK Included		
Remote Monitoring	Immix, Monitorsoft Sentinel		
Interoperability	ONVIF Profile S, HTTP/RTSP SDK		
Supported Protocols	WS-Discovery, RTP, RTSP, RTCP, SMTP, NTP, HTTP, FTP, DDNS, DHCP, uPNP (Router Port Forwarding), HTTPS, SSL		

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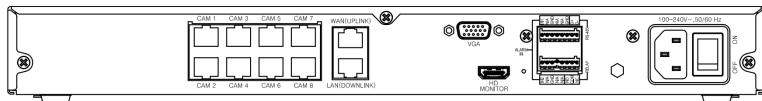
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Concept  Pro

## DIMENSIONS



## REAR PANEL



## ORDER CODES

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

COMPATIBLE  
WITH



HD-IP Professional  
System Camera  
Range