Concept ◇ Pro

16 CHANNEL

Up to 8MP

Max 20TB Storage
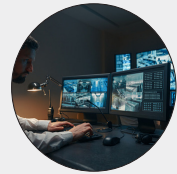
Alarm in x2 Alarm out x1

WD Purple
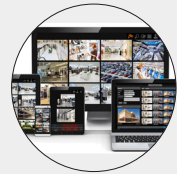
KEY FEATURES

VXH8AHDL-16

Concept Pro Lite16 Channel 8MP Hybrid DVR

The Concept Pro VXH8AHDL-16 model is a sixteen channel professional DVR that can record up to 8 megapixel analogue video and 8 megapixel IP video on all channels. It is a hybrid recorder compatible with AHD, HD-TVI, traditional standard definition analogue cameras, and IP cameras. Additionally, the recorder features two alarm inputs. The DVR 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 i-PIMS 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.

Remote Viewing & Video Management

Connect up to 254 Concept Pro IP and AHD recorders through i-PIMS, a powerful license free video management software. Remote viewing is also available on smart phones and tablets through Concept Pro Viewer, utilising a secured European server, the app allows control over various elements of Concept Pro recorder.

IP Hybrid Support

This Concept Pro DVR provides the facility to record various types of analogue and IP cameras up to 8-megapixel resolution to one recording device and work as one system. The 16 Channel DVR allows you connect a maximum of 16 cameras in an IP and AHD combination.

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.

- 16 Channel Hybrid DVR
- AHD, TVI, CVBS and IP Compatible
- Max 128FPS @ 8MP-Lite, 64FPS @8MP Recording
- 4K HDMI and VGA Display Output
- CVBS Spot Monitor Output
- Up to 20TB Internal Hard Disk
- x2 Alarm input/X1 Alarm Output
- X4 Audio Input/X1 Audio Output
- NDAA Compliant
- WD Purple Surveillance HDD's inside all recorders

OTHER FEATURES

- Secure P2P/Relay Server Service
- Two Way Audio & Audio Recording
- Remote Monitoring via Concept Pro Viewer Mobile App
- Supported by i-PIMS License-free VMS
- Thumbnail and Event Search
- Instant Playback
- Up the Coax (Coaxitron) Protocol Support
- RS-485 X1

COMPATIBLE WITH

AHD Proffesional System Camera Range

VXH8AHDL-16

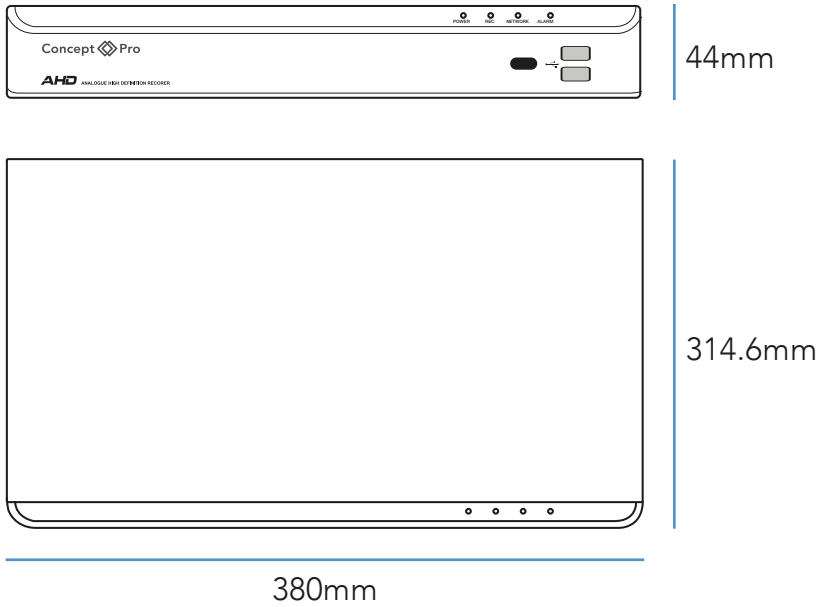Concept Pro Lite16 Channel
8MP Hybrid DVR

Concept ◆ Pro

SPECIFICATION

Video and Audio Inputs/Outputs	
Analogue Camera Video Inputs	16CH
Supported Analogue Formats	AHD/TVI/CVBS
Supported Video Signal Types	PAL/NTSC
Supported Analogue Resolution/Frame Rate	8MP@20/12,FPS, 5MP@20/12FPS, 4MP@25/15FPS, 3MP@25/18FPS,2MP@25FPS, 960H@25FPS
IP Camera Video Inputs	Max. 16CH
Supported IP Camera Resolution/Frame Rate	8MP@20FPS
Supported PTZ Protocols	UTC Coaxitron, RS-485 (Pelco-D, Pelco-P, and more)
Audio Inputs	4CH RCA
Audio Outputs	1CH RCA + HDMI
Two-Way Audio	Supported
Audio Compression Codec	G.711u
Recording	
Video Compression Codec	H.265/H.264
Recording Resolution	8MP/8MP Lite, 5MP, 5MP Lite, 4MP, 4MP Lite, 3MP, 3MP Lite, 2MP, 1MP, 960H, D1, 2CIF, CIF
Recording Rate	[Analogue] Max. 64FPS @ 3840x2160 (8MP)/ Max128FPS @ 1920x2160 (8MP Lite) /Max96FPS @ 2560x1944 (5MP)/Max. 160FPS @ 1296x1944 (5MP Lite)/Max. 120FPS @ 2560x1440 (4MP)/Max. 240FPS @ 1280x1440 4MP Lite/Max. 240FPS @ 1920x1080 (2MP) [IP] Max. 240FPS @ (8MP/5MP)/Max. 480FPS @ 4MP/2MP
Bit Rate	CBR/VBR
Recording Modes	Continuous, Motion, Alarm, Panic
Recording Scheduling Method	Hourly/Daily/Weekly
Pre-Event Recording	0/1/2/3/4/5/10/15s
Post-Event Recording	5/10/15/20/30/60/180s
Display	
Main Display Outputs	HDMI 1EA, VGA 1EA
Main Display Resolution	HDMI: 3840x2160, 2560x1440, 1920x1080, 1280x1024, 1280x720 VGA: 1920x1080, 1280x1024, 1280x720
Main Display Resolution Configuration	Auto/Manual
Dual Monitor Functions	Duplicate Display
Loop Through	-
Display Rate	Max. 240FPS @ 8MP, Max. 400FPS @ 5MP, Max. 480FPS @ 4MP/2MP
Display Mode	1CH/4CH/6CH/8CH/9CH/16CH
Programmable Sequence	Supported, 1CH/4CH/6CH/8CH/9CH/16CH
Spot Monitor Output	x1 BNC Spot Out
Spot Monitor View Type	Programmable, 1CH/4CH
Search & Playback	
Search Modes	Calendar (Date/Time HH:MM:SS), Timeline, Thumbnail, Event, Text-in
Event Search Options	All, Alarm, Motion, Video, Record, System, Storage, Network, Setup
Playback Preview from Search Menu	Yes
Playback Display Mode	1CH/4CH/6CH/8CH/9CH/16CH
Playback Rate	[Analogue] Max. 64FPS @ 3840x2160 (8MP) Max. 128FPS @ 1920x2160 (8MP Lite) Max. 96FPS @ 2560x1944 (5MP) Max. 160FPS @ 1296x1944 (5MP Lite) Max. 120FPS @ 2560x1440 (4MP) Max. 240FPS @ 1280x1440 (4MP Lite) Max. 240FPS @ 1920x1080 (2MP) [IP] Max. 240FPS @ 8MP/5MP Max. 480FPS @ 4MP/2MP
Playback Speed	1x, 2x, 4x, 8x, 16x, 32x, 64x
Archiving	
Archiving Devices	USB, FTP
Remote Archiving	Web, i-PIMS (PC), FTP
Archived Video Format	RAW/AVI
Watermarking	MD5, with Built-in Verification
Network	
Network Interface	1EA RJ-45 10M/100M/1000MBASE-TX
Max. User Connections	32 users
Remote Web Access	Internet Explorer (Live 1CH/4CH/6CH/8CH/9CH/16CH), Search, Playback, PTZ, Setup)
	Chrome, Firefox (Live 1CH Second Stream, Setup)
Smart Phone Mobile App	Concept Pro Viewer (iOS/Android)
Remote Software	i-PIMS (PC)
Transmission Rate	Max. 480FPS
Adaptive Network Streaming	Yes

P2P/Relay Server Cloud Service	Yes
Dual SMTP E-mail Server	Yes
Remote Monitoring	Sureview Immix, Monitorsoft Sentinel
Interoperability	ONVIF Profile S, HTTP/RTSP SDK
IP Address System	IPv4/IPv6
Network Protocols	RTP, RTSP, RTCP, SMTP, NTP, HTTP, HTTPS, FTP, DDNS, DHCP, UPnP
Streaming Method	Unicast/Multicast
Alarm Interface and Event Notification	
Alarm Inputs	x2
Alarm Input Trigger Actions	Alarm Recording, Alarm Output, PTZ Preset, Event Notification
Alarm Outputs	x1 Relay
Motion Detection	Supported, 22x18 Cells
Motion Detection Trigger Actions	Motion Recording, Alarm Output, PTZ Preset, Event Notification
Event Notification	Buzzer, Video Pop-up, OSD Pop-up, E-mail, FTP, Mobile Push
Deep Learning Motion Detection	Compatible with select Concept Pro IP camera models (human/car/bike classification)
Deep Learning Video Analytics	N/A
E-mail Notification	Text-only/Snapshot Included
E-mail Notification Schedule	Up to 10 Schedule Profiles
Alarm Arm/Disarm Switch	Yes
Video Loss Detection	Yes
Disk Event Detection	Overwrite Start, Disk Full, % Disk Space Exhausted, SMART, No Disk
Record Event Detection	Panic Record Start
System Event Detection	Booting, Log-in Fail
Network Event Detection	Trouble in Internet Connection, Remote Log-in Fail, DDNS Update Fail, IP Conflict
Storage	
Internal Hard Disk	SATA 2EA, Max. 20TB
SMART Support	Yes, Manual/Automatic
eSATA	-
Security	
Enhanced Security Rules	Direct ID Input, Enhanced User ID/Password Rules
Covert Camera	Supported, Configurable by User and Group Authority
Privacy Masking	Yes, Max. 4 Areas
Group Authority	Search, Archiving, System Setup, Record Setup, Event Action Control, Audio, Remote Access, Shutdown
IP Filter	Yes
Record Time Limit	Yes
Erase Video	Yes
RTSP Encryption	SEED_128
HTTPS	Basic/Digest Authentication
Password Expiration	Off/On (1/2/4/6 Months)
Auto Log-out	Off/On (1/2/3/5/10 Minutes)
Search/Archiving Password Check	Off/On
Audio Support Toggle	Yes
Snapshot Support Toggle	Yes
Auxiliary Interface	
USB	x2 (Front)
RS-485	X1
RS-232	-
Remote Control	Yes (Included)
Keyboard Controller	Yes (VA-KBDPRO+)
General	
Power Supply	DC12V/3A
Power Consumption	Max. 15W without HDD
Dimensions	380mm (W) x 314.6mm (D) x 44mm (H)
Net Weight	2.58kg
Gross Weight	3.69kg
Operating Conditions	0°C to 40°C, 10% to 90% NC
Certifications	
Certifications	CE/FCC

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8MP Hybrid DVR

DIMENSIONS

Concept ◆ Pro
AHD ANALOGUE HIGH DEFINITION RECORDER
POWER REC NETWORK ALARM

44mm

314.6mm

380mm

ANALOGUE HD TYPICAL CABLE DISTANCE

Camera ———————————————————— **DVR**

	5MP	2MP	720P
COAX (RG59)	UP TO 500M	UP TO 500M	UP TO 500M
CAT5e	UP TO 200M	UP TO 305M	UP TO 350M
CAT6	UP TO 200M	UP TO 305M	UP TO 350M

Approximate distances calculated using HD MasterBaluns. Actual transmission range will vary depending on type and quality of cable and baluns.