

# Concept Pro

4 CHANNEL

Up to 5MP

Max 10TB Storage

Alarm in x4 Alarm out x1



## VXH5AHD-4

### Concept Pro 4 Channel 5MP Hybrid DVR

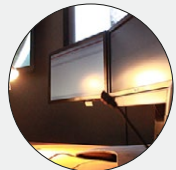
The Concept Pro VXH5AHD-4 model is a four channel professional DVR that can record up to 5 megapixel analogue video and 5 megapixel IP video on all channels. It is a hybrid recorder compatible with AHD, HD-TVI, traditional standard definition analogue cameras, and IP cameras. Additionally, the number of channels can be expanded to a total of eight channels and the recorder features four 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 iPIMS VMS.

#### KEY FEATURES

- ◆ 4 Channel Hybrid DVR
- ◆ AHD, TVI, CVBS and IP Compatible
- ◆ Max. 80FPS Recording @ 5MP, Real-time Recording @ 4MP
- ◆ 4K HDMI and VGA Display Output
- ◆ Dual Monitor Support (Main+Spot)
- ◆ CVBS Spot Monitor Output
- ◆ Up to 10TB Internal Hard Disk
- ◆ X4 Alarm Input/X1 Alarm Output
- ◆ X4 Audio Input/X1 Audio Output
- ◆ Concept Pro Video Analytics
- ◆ 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 iPIMS License-free VMS
- ◆ Thumbnail and Event Search
- ◆ Instant Playback
- ◆ Up the Coax (Coaxitron) Protocol Support
- ◆ RS-485 X1



#### 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 iPIMS, 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 recorders.



#### Seqrinet

Seqrinet enables Installers to add Enhanced Password Control (EPC) to their Professional recorder systems, ensuring our Concept Pro recorders are the most secure on the market. This prohibits the use of easily infiltrated passwords by ensuring a user creates their own complex password to access recordings stored using our secure European server.



#### IP Hybrid Support

This Concept Pro DVR provides the facility to record various types of analogue and IP cameras up to 5-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.



# VXH5AHD-4

Concept Pro 4 Channel  
5MP Hybrid DVR



## SPECIFICATION

Video and Audio Inputs/Outputs	
Analogue Camera Video Inputs	4CH
Supported Analogue Formats	AHD/TVI/CVBS
Supported Video Signal Types	PAL/NTSC
Supported Analogue Resolution/Frame Rate	5MP@20/12FPS, 4MP@25/15FPS, 3MP@25/18FPS, 2MP@25FPS, 960H@25FPS
IP Camera Video Inputs	Max. 8CH
Supported IP Camera Resolution/Frame Rate	5MP@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.264
Recording Resolution	5MP, 4MP, 3MP, 2MP, 1MP, 960H, D1, 2CIF, CIF
Recording Rate	[Analogue]Max. 80FPS @ 2592x1944 (5MP)Max. 100FPS @ 2688x1520/2560x1440 (4MP)Max. 100FPS @ 1920x1536 (3MP) Max. 100FPS @ 1920x1080 (2MP) IP] Max. 96FPS @ 5MPMax. 200FPS @ 4/3/2MP
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	3840x2160/1920x1080/1280x1024/1280x720
Main Display Resolution Configuration	Auto/Manual
Dual Monitor Functions	Main Display Mirroring or Main Display+Spot Monitor
Loop Through	-
Display Rate	[Analogue] Max. 80FPS @ 2592x1944 (5MP)Max. 100FPS @ 2688x1520/2560x1440 (4MP)Max. 100FPS @ 1920x1536 (3MP) Max. 100FPS @ 1920x1080 (2MP) IP] Max. 160FPS @ 5MPMax. 200FPS @ 4/3/2MP
Display Mode	1CH/4CH/6CH/8CH/9CH
Programmable Sequence	Supported, 1CH/4CH/6CH/8CH/9CH
Spot Monitor Output	CVBS 1EA + HDMI/VGA
Spot Monitor View Type	Programmable, 1CH/4CH/9CH
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
Playback Rate	[Analogue]Max. 80FPS @ 2592x1944 (5MP)Max. 100FPS @ 2688x1520/2560x1440 (4MP)Max. 100FPS @ 1920x1536 (3MP) Max. 100FPS @ 1920x1080 (2MP) IP] Max. 96FPS @ 5MPMax. 200FPS @ 4/3/2MP
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
Watermarking	MD5, with Built-in Verification
Network	
Network Interface	1EA RJ-45 10M/100M BASE-TX
Max. User Connections	32 users
Remote Web Access	Internet Explorer (Live 1CH/4CH/6CH/8CH/9CH), Search, Playback, PTZ, Setup) Chrome, Firefox (Live 1CH Second Stream, Setup)
Smart Phone Mobile App	Concept Pro Viewer (iOS/Android)
Remote Software	iPIMS (PC), SmartRA (Mac)
Transmission Rate	Max. 200FPS
Adaptive Network Streaming	Yes

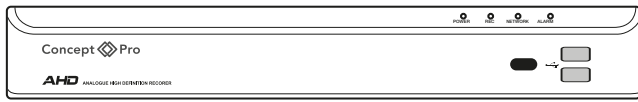
P2P/Relay Server Cloud Service	Yes, Sequirnet (European Servers)
Dual SMTP E-mail Server	Yes
Remote Monitoring	Sureview Immix, Monitorsoft Sentinel
Interoperability	ONVIF Profile S, HTTP/RTSP SDK
IP Address System	IPv4/IPv6
Network Protocols	RTP, RTSP, RTCP, SMTP, NTP, HTTP, HTTPS, FTP, DDNS, DHCP, UPnP
Streaming Method	Unicast/Multicast
Alarm Interface and Event Notification	
Alarm Inputs	x4
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
Video Analytics	Yes (Selected Concept Pro cameras) Area Entrance/Exit, Forward/Reverse Line Crossing, Loitering, Stopped, Object Removed, Counter
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 1EA, Max. 10TB
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/2A
Power Consumption	Max. 7W without HDD
Dimensions	260mm (W) x 262.6mm (D) x 44mm (H)
Net Weight	1.54kg
Gross Weight	2.28kg
Operating Conditions	0°C to 40°C, 10% to 90% NC
Certifications	
Certifications	CE/FCC

# VXH5AHD-4

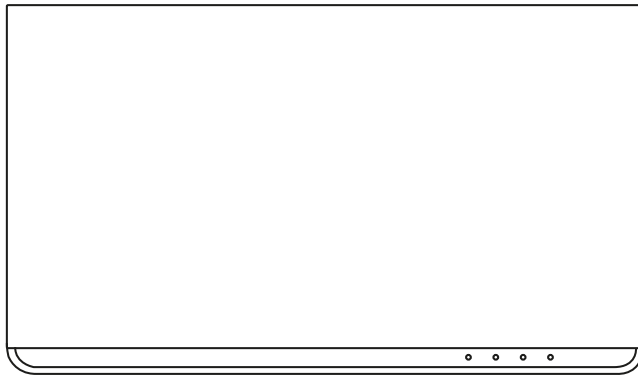
Concept Pro 4 Channel  
5MP Hybrid DVR

Concept  Pro

## DIMENSIONS



44mm



262.6mm

260mm

## 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.

COMPATIBLE  
WITH



AHD Professional  
System Camera  
Range