



OXVR16H

16 Channel Penta-Brid 1U Digital Video Recorder



Smart Codec

H.265+ can reduce up to 90% bit rate and storage requirements compared with H.264 without having to invest in new cameras.

HDCVI/AHD/TVI/CVBS/IP Auto-Detect

The XVR can auto recognize the signal of the camera without any setting changes. It makes operation more user friendly and convenient.

High Definition Camera Input

The XVR supports up to 5MP HDCVI camera and 6MP IP camera input.

Long Distance Transmission

The HDCVI system supports long distance transmission over coaxial cable and UTP, max. 700m for 4K/4MP, 800m for 1080P and 1200m for 720P.

Intelligent Video System (IVS)

With built-in intelligent video analytics, the XVR has the ability to detect and analyze moving objects for improved video surveillance. The XVR provides optional standard intelligence at the edge allowing detection of multiple object behaviors such as abandoned or missing objects. IVS also supports tripwire analytics, allowing the camera to detect when a pre-determined line has been crossed.

Face Detection

Facial detection is a typical technology being used in a variety of applications for searching or identification of individuals.

Smart Search

This function speeds up the search facility by drawing a region of interest when searching in a specific timeline. This speeds up the search process in the event of an incident.

Technical Specification

System	
Main Processor	Embedded Processor
Operating System	Embedded LINUX
Audio & Video	
Analogue Camera Input	16 Channel, BNC
HDCVI Camera	5MP, 4MP, 1080P@25/30fps, 720P@50/60fps, 720P@25/30fps
AHD Camera	5MP, 4MP, 1080P@25/30, 720P@25/30fps
TVI Camera	5MP, 4MP, 1080P@25/30, 720P@25/30fps
CVBS Camera	PAL/NTSC
IP Camera Input	16+8CH, each channel up to 6MP
Audio In/Out	1/1, RCA
Two-Way Talk	Reuse audio in/out, RCA
Display	
Interface	1 HDMI, 1 VGA
Resolution	HDMI: 3840×2160, 2560×1440, 1920×1080, 1280×1024, 1280×720 VGA: 1920×1080, 1280×1024, 1280×720
Multi-Screen Display	When IP extension mode not enabled: 1/4/8/9/16 When IP extension mode enabled: 1/4/8/9/16/25
OSD	Camera title, Time, Video loss, Camera lock, Motion detection, Recording
Recording	
When IP extension mode enabled:	
Video Compression	H.265+/H.265/H.264+/H.264
Resolution	5M-N, 4M-N, 1080P, 1080N, 720P, 960H, D1, CIF
Record Rate	Main Stream: The 1st & 2nd channels 5M-N (1-10fps); other channels 4M-N/1080P (1-15fps); 1080N/720P/960H/D1/CIF (1-25/30fps) Sub Stream: CIF/QCIF (1-15fps)
Video Bit Rate	32Kbps-6144Kbps Per Channel
Record Mode	Manual, Schedule (General/Continuous), MD (Video Detection: Motion Detection, Video Loss, Tampering), Alarm, Stop
Record Interval	1-60 min (Default: 60 min), Pre-record: 1-30 sec, Post-record: 10-300 sec
Audio Compression	AAC (Only for the 1st channel), G.711A, G.711U, PCM
Audio Sample Rate	8KHz, 16 bit Per Channel
Audio Bit Rate	64Kbps Per Channel
Video Detection & Alarm	
Trigger Events	Recording, PTZ, Tour, Video Push, Email, FTP, Snapshot, Buzzer and Screen Tips
Video Detection	Motion Detection, MD Zones: 396 (22×18), Video Loss, Tampering and Diagnosis
Alarm Input	N/A
Relay Output	N/A
Playback & Backup	
Playback	1/4/8/16
Search Mode	Time/Date, Alarm, MD and Exact Search (Accurate to second)
Playback Function	Play, Pause, Stop, Rewind, Fast Play, Slow Play, Next File, Previous File, Next Camera, Previous Camera, Full Screen, Repeat, Shuffle, Backup Selection, Digital Zoom
Backup Mode	USB Device/Network

Third-Party Support	
Third-Party Support	Dahua, Arecont Vision, AXIS, Bosch, Brickcom, Canon, CP Plus, Dynacolor, Honeywell, Panasonic, Pelco, Samsung, Sanyo, Sony, Videotec, Vivotek, and more
Network	
Interface	1 RJ-45 Port (1000M)
Network Function	HTTP, HTTPS, TCP/IP, IPv4/IPv6, UPnP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, DDNS, FTP, Alarm Server, P2P, IP Search (Supports Dahua IP Camera, DVR, NVS, etc.)
Max. User Access	128 users
Smart Phone	iPhone, iPad, Android
Interoperability	ONVIF 16.12, CGI Conformant
Storage	
Internal HDD	1 SATA Port, up to 6TB capacity
eSATA	N/A
Auxiliary Interface	
USB	1 USB 2.0, 1 USB 3.0
RS232	N/A
RS485	N/A
Electrical	
Power Supply	DC12V/2A
Power Consumption (Without HDD)	<10W
Environmental	
Operating Conditions	-10°C~+45°C (+14°F~+113°F), 10-90% RH
Storage Conditions	-20°C~+70°C (-4°F~+158°F), 0-90% RH
Construction	
Dimensions	Compact 1U, 260×236×48mm (10.2"×9.3"×1.9")
Net Weight (without HDD)	0.86kg (1.90lb)
Gross Weight	1kg (2.2lb)
Installation	Desktop installation
Environmental	
Operating Conditions	-10°C~+45°C (+14°F~+113°F), 10-90% RH
Storage Conditions	-20°C~+70°C (-4°F~+158°F), 0-90% RH
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Certifications	
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