VICON

ONVIF

The V-DVR Series of HD Digital Video Recorders (DVRs) is designed specifically to support AHD, TVI and analog cameras with up to 960H resolution. The DVR integrates easily into the Valerus VMS through the ONVIF standard protocol, allowing live viewing and PTZ control; as an additional option, it can be used to record video on Valerus for edge recording, but the recorded video cannot be played back on Valerus. The DVRs support up to 16 video channels; there are two models available, one with 4 TB storage and one with 8 TB storage.

The DVR supports real time full HD live and playback video and up to 240 fps full HD recording, including dual recording. It incorporates high-quality H.264 video and audio encoding and compression technology. There is a VGA and HDMI video output that can be used as a local output on the DVR for display; the display mode can be 1, 4 (2x2), 9 (3x3) or 16 (4x4). Additionally, a BNC output connection is provided for use as a spot monitor; the display mode can be 1 or 16 (4x4). Alarm and audio inputs/outputs are supported.

The V-DVR provides an advanced Event Search function to facilitate finding specific data. Digital Zoom is supported for Live and Playback video. A S.M.A.R.T. Health Check monitors your system.

Product at a Glance

‣ Ideal solution for hybrid analog/IP systems
‣ Supports AHD, TVI and analog cameras up to 960H resolution
‣ Supports real time full HD live and playback and full HD recording
‣ H.264 compression
‣ Supports dual streaming
‣ 4 alarm inputs; 1 alarm output
‣ 4 audio channel inputs; 1 audio channel output*
‣ PTZ control through serial output
‣ Easily integrates with the Valerus VMS
‣ Easy export of video to USB storage devices

*Coming soon.

Table 1: Model Descriptions

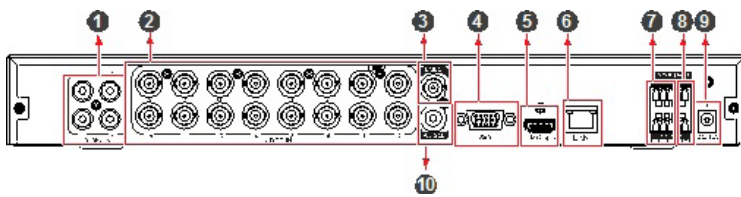| Model Number	Description
V-DVR-4TB	16-channel digital video recorder; supports AHD, TVI and analog cameras with up to 960H resolution; 12 VDC; 4 TB storage
V-DVR-8TB	16-channel digital video recorder; supports AHD, TVI and analog cameras with up to 960H resolution; 12 VDC; 8 TB storage

V-DVR SERIES

SPECIFICATIONS

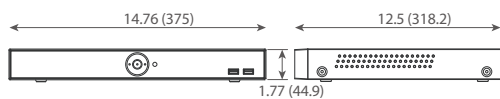|	V-DVR-4TB	V-DVR-8TB
Video Specifications		
Video Inputs:	16	
Video Formats Supported:	AHD, TVI and CVBS (NTSC/PAL)	
Compressions Supported:	H.264 (video); G.711 (audio)	
Video Input Resolutions:	1080P/720P/960H/D1	
Available Storage:	4 TB	8 TB
Display Resolutions:	VGA/HD: 1920x1080, 1280x720, 1024x768. Spot: 1.0 Vp-p (75 ohm, composite).	
Display Formats:	VGA/HD: 1/4 (2x2)/9 (3x3)/16 (4x4). Spot: 1/16 (4x4).	
Frame Rate:	Up to 480 fps (D1/960H/720P); 240 fps (1080 AHD)	
Motion Detection:	Yes	
Alarm Input:	4 Alarms In	
Alarm Output (Relay):	1 Alarm Out	
Audio In/Out:	4 channels In/1 channel Out (RCA)	
Serial Port:	1 RS-485 terminal block	
Security:	Password protection	
Supported Protocols:	TCP/IP, IPv4/IPv6, HTTP, FTP, UPnP, RTP, RTSP, DHCP, ARP, Zero config, SMTP, DDNS, Onvif	
Electrical Specifications		
Power Supply:	12VDC, 5A. Dual Voltage (110/220 VAC) power supply provided.	
Power Consumption:	36 W includes 1 HDD	
Indicators/Ports/Connectors:	Front: Power status LED, Recording status LED, Network connection LED, USB. Rear: Video In: 16 BNC; Video Out: 1 CVBS (spot monitor), 1 VGA, 1HD; Network/LAN: 1 RJ-45; 4 Audio in: RCA; Audio out: 1 RCA; 4 Alarm in, 1 Aarm out: terminal block; Power input (12 VDC); PTZ: RS-485*	
Mechanical Specifications		
Application:	Indoor	
Mounting:	Desktop or rack-mount into a standard 19-inch vertical rack	
Dimensions:	W: 14.76 in. (375 mm); H: 1.77 in. (44.9 mm); D: 12.5 in. (318.2 mm)	
Weight:	4 lb (1.8 kg) without HDDs	
Approvals:	FCC, CE. ONVIF Profile S	
Country of Origin:	Korea	
Environmental Specifications		
Operating Temperature:	32 - 113° F (0 - 45° C)	
Operating Humidity:	10 - 90%, non-condensing	

*Supported PTZ Protocols: Vicon, Pelco-D, Pelco-P, Pelco-C, ONVIF-IPCAM, F2E, F2, Honeywell, Samsung, Techwin, Panasonic, Dongyang, A_CP, A_CP-PTZ, Hikvision-C, FSK.

Connectors

No.	Name	Function
1	Audio In	Camera audio input port
2	Video In	Camera video input port
3	CVBS	CVBS output port (depending on device types)
4	VGA	VGA output port
5	HD Output	HD output port
6	Network	Network connector
7	Alarm In/Out	Alarm connector
8	RS-485	RS-485 communication connector
9	12 VDC	Connector with power supply
10	Audio Out	Audio output port

Dimensions

14.76 (375)   12.5 (318.2)

1.77 (44.9)

Unit : in. (mm)

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