



TDVRHD16

1080p RESOLUTION 16 CHANNEL HD-TVI/ANALOG + 2 CHANNEL IP DVR W/ UP TO 32 TB STORAGE



FEATURES

- 16 Channel
- 480FPS @ 1080p Resolution
- H.264 dual-stream video compression
- Support 4 SATA HDD up to 32 TB Total, 3 USB 2.0
- HDMI/VGA Simultaneous Video Output
- iPhone/iPad/Android/Windows Phone Compatible

Rainvision is a leading brand of HD and IP network video surveillance cameras and recording equipment. By utilizing the latest technology in the industry, Rainvision video surveillance cameras provide all of the crisp, clear image quality in any security application or environment. With incorporating the latest ONVIF Profile S standards, Rainvision allows for easy integration and interoperability.

SPECIFICATIONS

INTELLIGENT VIDEO INPUTS		NETWORK	
Analog TVI/CVBS Inputs	16	Compression	Up to 64Kbps, G.711
Analog CVBS Video Input	Up to 960x480,720x480(NTSC);960x576,720x576(PAL)	Interface	1Gb/s 1000 Base-T Ethernet RJ-45
Adaptive Ports	Input Format Auto Detection, TVI/CVBS can be mixed in any combination, at any time	Addressing	Static IP, DHCP, xDSL support
Interface	BNC Connector; 1V p-p, 75Ω	NTP/DST	Supported; choice of time zone, NTP server, DST start/end/offset
Privacy masking	4 areas programmable in OSD menu	Protocols Supported	TCP/IP, PPPoE, DHCP, DNS, DDNS, NTP, SMTP, SNMP, NFS, iSCSI, UPnP
Total Cameras Supported	18 (Includes 2 IP Cameras)	NAT	Discovery Software Utility
VIDEO OUTPUT		UPnP router NAT/port mapping forwards ports automatically	(*Router must support/port mapping UPnP function)
Main HDMI & VGA	Full HD 1920x1080/60Hz; SXGA: 1280x1024/60Hz; 720P: 1280x720/60Hz; XGA: 1024x768/60Hz	Users	Up to 128 simultaneous connected users
CVBS Analog BNC	NTSC 704x480 / PAL 704x576; 1V p-p, 75Ω	DDNS	Simple DDNS free service tracks WAN IP address and HTTP port
Display Modes	1, 2x2, 1+5, 1+7, 3x3, 4x4 split; User Defined Sequence / Alarm Pop-up HDMI/VGA and/or CVBS may be configured as main or call/event monitor	SECURITY	
RECORDING		User IDs	Admin, plus multiple configurable login IDs
Video Compression	Dual Stream: H.264 for Main Stream and Sub-stream	User Levels	All rights for "admin"; Per camera per user rights assignment for Operator and User levels
Video Bitrate	32Kb/s-6Mb/s each channel	User Privilege Control	Local and remote access to Live views, audio, recording, playback, menus, PTZ, alarms, copy, logs, upgrade, reboot
Encoding	Main Stream: 1080p; 720p; WD1; 4CIF; VGA; CIF Sub Stream: WD1; 4CIF; CIF; QVGA; QCIF	STORAGE & CLIP COPY	
Frame Rate	Main Stream: 1/16 fps ~ Real time frame rate	HDD Storage	Support 4 SATA HDD up to 32 TB
Quality	Sub Stream: 1/16 fps ~ Real time frame rate	eSATA	One, on rear panel
Mode	6 levels: Lowest/Lower/Low/Medium/Higher/ Highest	NAS/SAN	Up to 8 network disks (8 NAS disks, or 7 NAS disks +1 IP SAN disk)
Motion Detection	Continuous; Motion; Alarm; Motion or alarm, Motion + Alarm	Copy Type	Multi-Channel or Single Channel File
Schedule Period	Configurable per camera for area(s) sensitivity and arming schedule programmable by day of week and hour of day	Copy Device	USB 2.0 Drive (3 ports)
Pre- and Post- Event Recording	Per day in 1 hour blocks; or 8 time periods per day, each with different record mode; plus holidays	S.M.A.R.T.	Temperature, duration, error rates, bad sector detection, and more
PLAYBACK		SERIAL & I/O	
Synchronous Playback	16 channels	USB 2.0 Ports	One front, one rear for mouse and data I/O
Playback Resolution	1080p, 720p, WD1, 4CIF, VGA, CIF, QVGA, QCIF	RS-485	One; selectable speed and bit pattern; multiple protocols
Search Type	Time/Date; motion or log event; Manual Tags; Smart Search for motion events from recorded video	Up the Cable Control	Multiple protocols, can be sent out of any BNC port to compatible cameras
Capacity	Up to record rate	USER CONTROLS	
Playback Controls	Play; Pause; Forward/Reverse; speed control for single~1.8~16X; Slide bar with overview of record type and snapshot display from slider position	Local Controls	Front Panel camera, function and navigation buttons; IR Remote; Mouse
Digital Zoom During Playback	Supported on Local Displays and CMS	SOFTWARE	
EVENT & ALARM		Web Viewer	Live view, playback and configuration via IE, Chrome, Firefox, Safari (with free plug-in/extension installed)
Event Source	MD (Motion Detection), Video Loss, Video Tampering / Exceptions	User Rights Control	Per user-per camera for multiple functions
Event Action Schedule	Per day in 1 hour blocks; or 8 time periods per day, each with different record mode; plus holidays	Mobile Viewer	iOS and Android supported ; live 1 & 4 camera views; single camera playback; snapshots from live or play; copy clips/record to smartphone; audio support; PTZ control, HD version of app, optimized for tablets, displays up to 16 live view cameras
Event Action	Buzzer, E-mail, Alarm Full Screen Pop-up, Notify CMS Client	CMS	Free PC and MAC Clients support multiple device viewing, playback (with digital zoom) and configuration; user rights per camera; E-map support; live view up to 64 cameras in 4:3 and 48 cameras in 16:9; up to 16 cameras in playback
MD Area	User selectable grid pattern 22x15 areas with adjustable per camera sensitivity	Event Logging	Multiple types: alarm, exception, operation, information; dozens of sub-types within each major type
SYSTEM ALARM		Firmware Upgrade	From USB or remotely
Alarm Source	HDD Error, HDD Full, LAN Fail/Address Conflict, Illegal login, Video Signal Exception/, Record/Capture exception	Backup/Restore Config.	From USB or remotely
Alarm Action	Buzzer, E-mail, Notify CMS Client (network permitting)	GENERAL	
AUDIO		Dimension	17.5" W x 15.3" H x 2.7" D
Two-way audio	Audio input pass through to remote web or CMS client; remote audio from web or CMS client pass through to audio output	Chassis Type	19" rack-mountable 1.5U chassis
Input / Output	4 inputs for record, 1 input for two way audio; RCA, 2V p-p, 1KΩ, 2 Outputs; RCA, 2V p-p, 1KΩ	Weight without HDDS	11 lb.
		Operating Temp	14°F~131°F
		Operating Humidity	10% ~ 90%
		Voltage	100~240 VAC 47~63Hz
		Power	Up to 55W
		Certifications	FCC, CE, RoHS

