VMAXHD

Maximum Resolution, Maximum Performance

More of what you have come to expect from
the VMAX family of products

Main Features

- 4 CH Video / 4 CH Audio
- HD 1080P (1920X1080), 60fps/ 720P (1280X720), 120fps
- HDMI & VGA Support
- Digital Zoom to Selectable Area in Live and Playback
- Complete Camera Control via Coax Cable
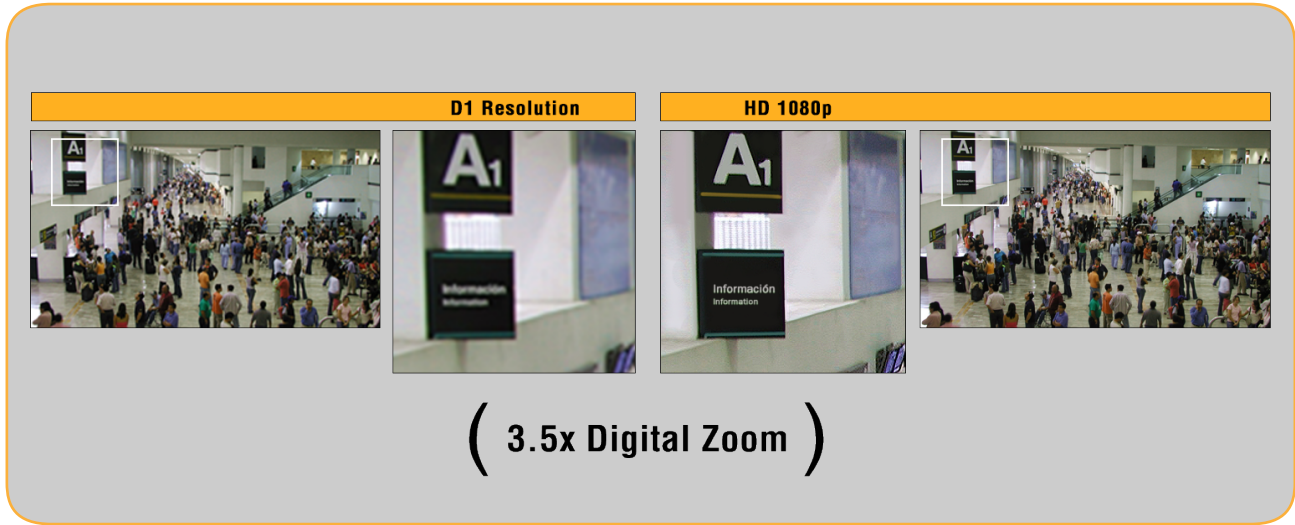- Live, Playback, Recording, Backup, Network

iPhone   **Android**

1080P HIGH DEFINITION

With real-time live display of 1080p resolution, the VMAXHD offers clear, crisp, and detailed image, so you don't lose anything, and see everything.

D1 Resolution	HD 1080p

(3.5x Digital Zoom)

REMOTE MOBILE APPLICATION

The VMAXHD is equipped with a free and simple mobile application, for remote viewing and monitoring.
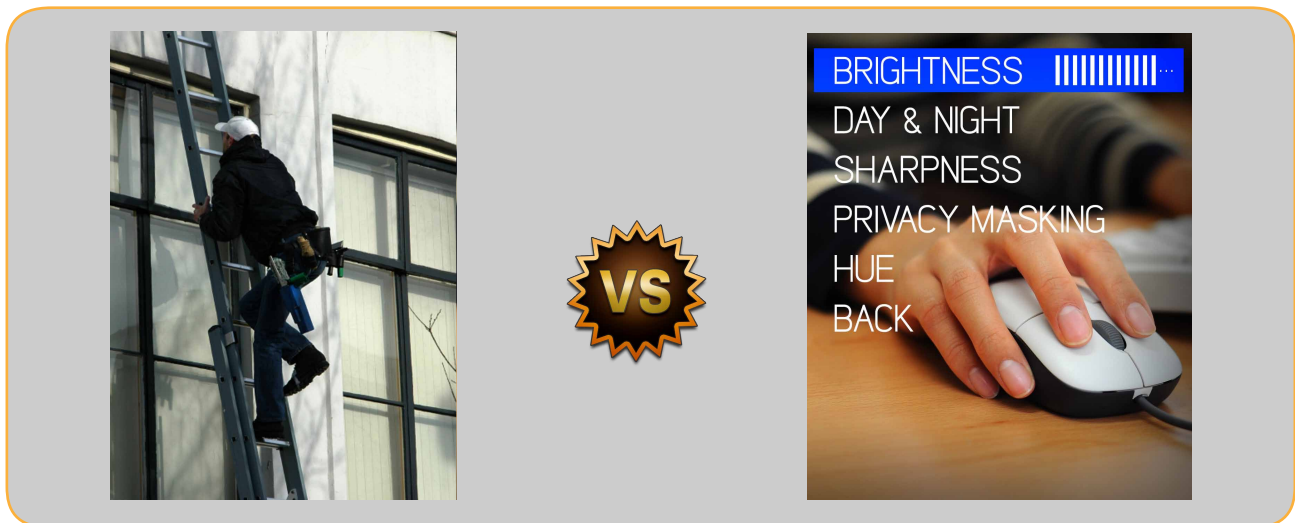
COMPATIBLE

EMAIL NOTIFICATIONS WITH VIDEO

Recieve an instant email notification when an event is detected with a short video clip attached corresponding with the event.
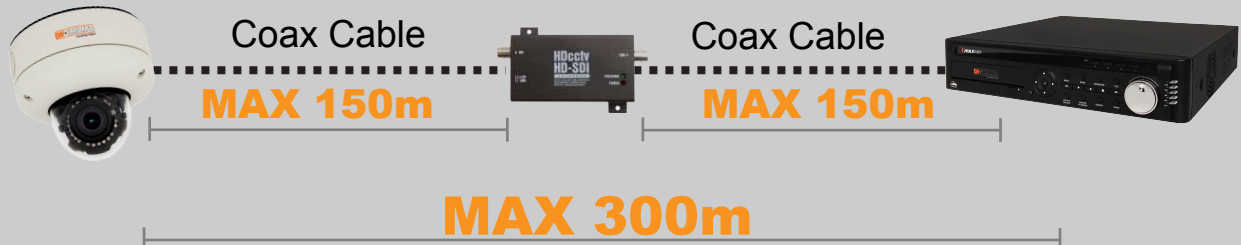
CONTROL VIA COAX

When combined with Digital Watchdog's HD-SDI cameras, the VMAXHD offer absolute control of the cameras' OSD menu and configuration remotely, using the coaxial cable and with no need for additional RS-485 cable.
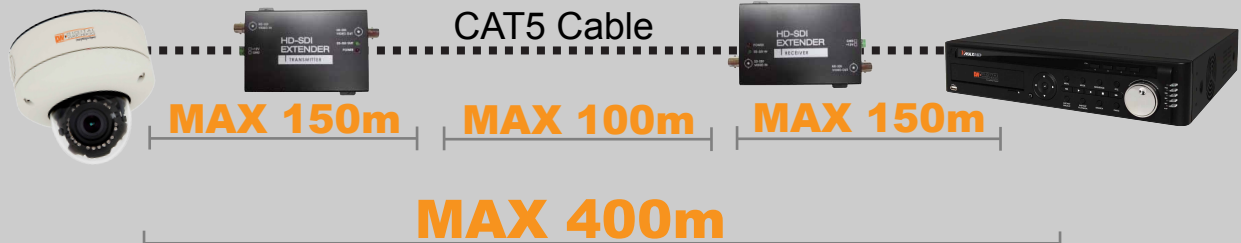
VS

BRIGHTNESS
DAY & NIGHT
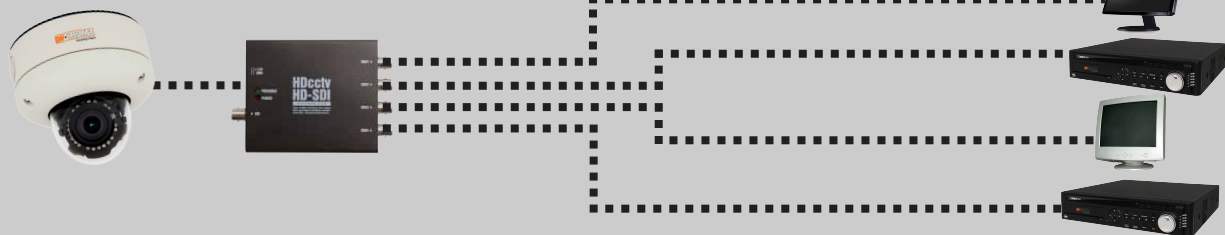SHARPNESS
PRIVACY MASKING
HUE
BACK

Accessories

DW-HD-RPT

Coax Cable — MAX 150m

HDcctv HD-SDI

Coax Cable — MAX 150m

MAX 300m

DW-HD-EXT

HD-SDI EXTENDER TRANSMITTER

Coax Cable

HD-SDI EXTENDER RECEIVER

MAX 150m — MAX 300m — MAX 150m

MAX 600m

DW-HD-BALUN

HD-SDI EXTENDER TRANSMITTER

CAT5 Cable

HD-SDI EXTENDER RECEIVER

MAX 150m — MAX 100m — MAX 150m

MAX 400m

DW-HD-SPLIT

HDcctv HD-SDI

	DW-HD-RPT	DW-HD-EXT	DW-HD-BALUN	DW-HD-SPLIT
Video Input	SMPTE 292M	1.485Gbps HD-SDI	1.485Gbps HD-SDI	SMPTE 292M
Video Output	SMPTE 292M	270Mbps SD-SDI	270Mbps SD-SDI	SMPTE 292M
Resolution	Up to 1080p 30fps	Up to 1080p 30fps	Up to 1080p 30fps	Up to 1080p 30fps
Cable Length	300m	600m	400m	——
Power Consumption	1.956w	2.244w	3.0w	3.0w
Power Requirement	12v, 1A	12v, 1A	12v, 1A	12v, 1A

VMAXHD
High Definition, 1080p @ 60fps DVR

Dimensions (unit : mm)

397.0

41.5

430.0

89.0
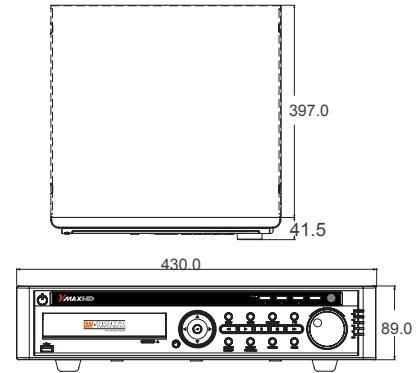
Summary

The VMAXHD is a digital video recorder that offers real-time recording 1080p (1920X1080) at 60fps. The VMAXHD allows customers to use existing coaxial cable infrastructure while providing an unparalleled image quality. In addition, the VMAXHD is uniquely designed to offer remote controlling of any Digital Watchdog HD-SDI cameras' OSD menu. For complete camera configuration from the DVR. The VMAXHD is available in 4 channels and comes equipped with up to 12 Terabytes of memory.

Features

- Remote OSD Control of DW's HD-SDI Cameras
- Multiplex- Live, Record, Playback, Backup, Network
- Advanced H.264 Stand Alone DVR
- HD 1080p (1920X1080) @ 60fps, 720p (1280X720) @ 120fps
- 4CH Video & 4CH Audio
- HDMI & VGA Support
- 4 Sensor Input, 1 Sensor Output
- Digital Zoom to Selectable Areas
- Covert Channel
- Web-Based Client with Multi-User Access
- Simple & Free DDNS
- Watermark Verification (Digital Signature Verification)
- DVR Health Check with Email Notification
- DVR Calculation and Auto Recording Configuration
- Help Menu on Major Functions
- RS-485 Built-in
- Remote Operation & Configuration
- USB Mouse & IR Remote Controller Included
- Up to 4 Internal HDD Supported
- 5 Year Limited Warranty

Available Models

Digital Watchdog

4: 4CH

| DW | VHD | 4 | 1TB |

VHD: VMAXHD

1~12 : 1TB ~ 12TB

Specifications

VIDEO		
Video Input		4CH HD-SDI
Video Live	Framerate	1~30fps
	Resolution	1280X720 / 1920X1080
Video Output		HDMI , VGA
Audio Output	Input	4CH Line Input
	Output	1CH Line Output
	Audio Codec	G.711
Alarm	Sensor Input	4CH Input, NO/NC
	Alarm Out	1CH Output, activated by Motion Detection or Video Loss
Operating System		Linux Embedded
Serial		2 RS-485 Connectors for PTZ & Controller
User Interface	Menu Display	Graphic User Interface
	Control Methods	Front Panel Buttons, USB Mouse, IR Controller, Joystick Controllers
Screen Display		1/ 4/ Sequence (3~60 Seconds)

Performance		
Recording	Compression	H.264
	Recording Rate	Up to 60fps @ 1920X1080/ Up to 120fps @ 1280X720
	Recording Mode	Continuous, Schedule, Motion, Sensor, Manual
	Pre Recording	15 Seconds ~ 20 Minutes
	Post Recording	10~60 Seconds
Playback	Fast Forward Functions	X1/4, X1/2, X2, X4, X8, X16, X32, Frame-by-Frame
	Rewind Functions	X2, X4, X8, X16, X32, Frame-by-Frame
	Search Modes	Calendar/ Date & Time/ First & Last Data/ System Log/ Event Log
Bakcup	File Format	JPEG/ Proprietary Format, AVI
	Backup Options	USB/ External HDD/ Network
	Built-in Viewer	Yes
Storage	HDD Interface	SATA, e-SATA (1x)
	Max. Capacity	12 Terabytes
	Max. Internal HDDs	4 HDDs
Features	External Storage	1 e-SATA for RAID
	File System	Self-Developed, Reliable and Stable File System
	Digital Zoom	Digital Zoom in Live and Playback to Selectable Areas
	DST (Daylight Saving Time)	Yes
	Software Upgrade	Local Upgrade by USB and Remote Network Upgrade
	Watermarking	Yes
	3G Mobile	Mobile Application for Apple & Android Smart Phones

Network		
Network Connection		RJ-45, 10/100/1000 Base-T, Auto MDI-MDIX
Streamming	Transmission Speed Live	1280X720@ 120fps, 640X360@ 100fps
	Transmission Speed Playback	H.264 @ 120/ 100fps
	Protocols	HTTP, DDNS, NTP, SMTP
Access	Web Viewer	Live, Search/ Playback, Backup, PTZ Control,
	Remote Monitoring Software	Remote Setup & Upgrade

General		
Operating Temperature/ Humidity		0°C ~ 40°C (32°F ~ 104°F)
Operating Humidity		Less than 80% (Non-Condensing)
Electrical	Power Requirement	AC 100~120V
	Power Consumtion	280W
Dimensions		17" X 16.92" X 3.86" (432 X 430 X 98mm)
Weight		14.6 lbs (6.6 kg)

*Specification is subject to change without prior notice.

DW DIGITAL WATCHDOG
Everything's Digital