960H

DW

HIGHEST ANALOG RESOLUTION ON THE MARKET.
SEEING IS BELIEVING.

Complete 960H Solution

- The 960H complete recording solution offers highest analog resolution on the market , 34% better than D1.
- The new Starlight and Infinity 960H Cameras add powerful features such as EWDR, Enhanced 3D-DNR, HME, Starlight Low Light Technology, and 700TVL resolution.
- 5x Signal Extender, allows the connection of cameras installed up to 5,000ft from the DVR without digital noise or reduced image quality.
- True DVR health monitoring with notifications offers an extra layer of security in preventing long term video and data loss.
- The new Facestamp employee management and visual fraud prevention offers instant e-mail and text notifications when an employee clocks in or out, as well as advanced report and search options.
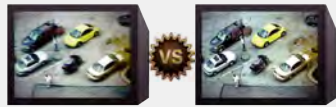
VMAX 960H
MAXIMUM VALUE / MAXIMUM PERFORMANCE

H.264 | 8/16 CH | RAID | 30 FPS | CM | HDD CALCULATOR | NAS | HDMI OUTPUT

960H HORIZONTAL PIXELS

The VMAX960H is an advanced H.264 Stand Alone digital video recorder that records 480fps, Real-Time at 960 x 480, 960 x 240, 480 x 240. All the great features, such as Single Channel Search in Live, One Touch Backup and Event management, can be controlled with the front panel, included USB mouse, IR remote control. And with our special 5x Signal Extender, you can add the convenience of controlling cameras installed up to 5,000ft from the DVR, without losing clarity or quality. The DVR is available with basic storage from 1 to 12 Terabytes.

5x SIGNAL EXTENDER

Reduces digital noise and amplifies image quality over UTP (i.e. Cat 5, 6, etc.) or Coaxial (RG-59) cables with no repeaters or special installation. This technology was designed to optimize operation and eliminate the loss of details due to high frequency detail/blurring.
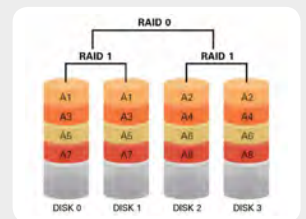
Cat 2/3 Cables
MAX 3,000ft

Cat 5/6 Cables
MAX 3,000ft

RG-59 Coaxial
MAX 5,000ft

Distance using Copper-Core Cable		Distance Using Non-Copper-Core Cable
Cat-5/ Cat-5e (RG-45 Cable)	4,000ft	2,000ft
Cat 6 (RG-45 Cable)	4,000ft	N/A
Coaxial (BNC Cable)	5,000ft	1,500ft

RAID REDUNDANT ARRAY OF INDEPENDENT DISKS

Creates an added layer of security through automated data backup. RAID 0, 1, 10 available.

"Single Channel" Search

Allows you to playback for selected channel in live mode.
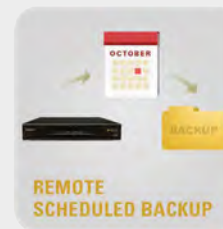(other channels are in live mode)

Help Menu

Setup several important settings without the user manual. Just click the yellow 'Help' button at the bottom of every main menu for additional infrmation on functionality, proper setup, and explanations.

Remote FW Upgrade Through FTP

Simplify the DVR firmware upgrade process by connecting the VMAX to Digital Watchdog's FTP server. The DVR can automatically scan for firmware upgrades and recommend when a new firmware is found.

Remote Scheduled Backup

Using Digital Watchdog's powerful Pivot Software, automtically backup the DVR's video to an external storage for your records.

Event Notification Via Email, SMS, and CMS Software

The VMAX lets you stay completely in touch with your security system by alerting you on events, HDD status, or recording failure via e-mail, SMS, or a remote CMS.

Health Check & System Alert Notification

The VMAX offers true DVR health monitoring, alerting you when the DVR is experiencing recording faliure, vieo loss, or storage failure beyond a set threshold.

DVR Quick Setup

The VMAX guides you through all the crucial setup steps necessary for the proper operation of the DVR. By selecting the Quick Setup, you can follow and adjust the DVR's Network, Date & Time, and Recording Configuration.

VMAX 960H *Premium*

5 Year Limited Warranty

▌ Advanced H.264, 960H 480fps Recorder

Features

- Advanced H.264 Linux Embedded DVR
- Multiplex - Live, Playback, Recording, Backup, Network, Configuration
- Total 480fps at 960H x 480V
- HDMI and VGA Support
- One Touch Video Backup & Reverse Playback
- 5X signal Extender
- Scheduled Network Backup
- Covert Channel
- Call Monitor
- Web-Based Client with Multi-User Access
- Looping Output for 16CH
- Digital Zoom
- Central Management Software, Up to 128CH

- Simple & Free DDNS Support
- Network Bandwidth Control
- True DVR Health Check with Notification
- DVR Calculation and Auto Recording Configuration
- Configuration Import / Export
- Auto or Manual Firmware Upgrade Available
- Up to 16 Sensor Input, 4 Sensor Output
- Help Menu on Major Function
- RAID 0.1.10 Support
- Mobile Application for iPhone, iPad, iPod, Android Devices and Kindle Fire
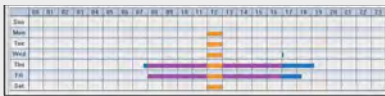- MAC Compatible Remote Software

VMAX960H PART NUMBERS

8 Channel	16 Channel
· DW-V960H 8500	· DW-V960H 16500
· DW-V960H 81T	· DW-V960H 161T
· DW-V960H 82T	· DW-V960H 162T
· DW-V960H 83T	· DW-V960H 163T
· DW-V960H 84T	· DW-V960H 164T
· DW-V960H 86T	· DW-V960H 166T
· DW-V960H 89T	· DW-V960H 169T
· DW-V960H 812T	· DW-V960H 1612T
· DW-V960H 816T	· DW-V960H 1616T

FaceStamp

ATTENDANCE VERIFICATION SYSTEM

⏵ THE ACCURACY OF SIGHT

The Facestamp is a powerful new way for small to mid-size businesses to manage their employees and prevent fraudulent behavior. By taking a snap shot of your employees while clock in and out of work everyday, you as a manager can monitor who clocks in on time, who is late, who is absent, and who is trying to coverup their absence by utilizing another co-worker to clock in for them. Combine your powerful 960H DVR with the peace of mind of the FaceStamp Employee management tool. Monitor your employees to prevent fraud and 'punch buddy' coverups, export advanced reports for records keeping and payroll.

ATTENDANCE VERIFICATION SYSTEM

THUMBNAIL SEARCH WITH FACIAL PREVIEW

VMAX 960H Flex

5 Year Limited Warranty

▌ Advanced H.264, 960H 480fps Recorder

Features

- Advanced H.264 Stand Alone DVR
- Multiplex - Live, Playback, Recording, Backup, Network, Configuration
- Record 30 Frames per Second on Every Channel
- One Touch Video Backup, Reverse Playback, & Emergency Recording
- Simple & Free DDNS Support
- Scheduled Network Backup
- True DVR Health Check with Email Notification
- 5X signal Extender

- HDD Calculation and Auto Recording Configuration
- Email & Text Event Notifications
- Watermark Verification (Digital Signature Verification)
- Auto & Manual Firmware Upgrade Available
- Import / Export DVR Configuration
- Mobile Application for iPhone, iPad, iPod, Android Devices, and Kindle Fire
- MAC Compatible Remote Software

VMAX960H Flex PART NUMBERS

• VF960H81T	• VF960H161T
• VF960H82T	• VF960H162T
• VF960H83T	• VF960H163T
• VF960H84T	• VF960H164T
• VF960H86T	• VF960H166T

3D-DNR (Digital Noise Reduction)

The 3D-DNR technology provides clearer images using unique algorithms designed to reduce video noise. It cleans electronic noise signals that reduce the clarity of the image and effect motion detection settings with various recording technology.

Day & Night

When light diminishes below a certain level, the camera will automatically switch to night mode, providing high quality black-and-white video images.

Day & Night

Automatically Switches

VMAX960H DVR

For a complete security package, combine the 960H Camera technology with our VMAX960H, a recording solution that will not lose a single detail; from live and record, to playback.

| H.264 | 8/16 CH | RAID | 30 FPS | CMS | HDD CALCULATOR | NAS | HDMI OUTPUT |

Starlight (Super Low Light Technology)

Offers a slow shutter feature that increases the length of time the shutter remains open to collect additional light, illuminating typically dark environments.

960H Resolution

960 Horizontal Pixels is the highest analog resolution available today. Using existing installation and cabling, Digital Watchdog's Cameras offer visibly clearer and extremely detailed image. Seeing is believing.

CIF Resolution (360x240)

D1 Resolution (720x480)

960H Resolution (960x480)

960H Horizontal Pixels (700 TV Lines)
34% Better than D1 Resolution!

INFINITY 960H

5 Year Limited Warranty

Our Infinity 960H Series is a combination of our powerful Infinity DSP technology and a 960H CCD image sensor to achieve higher resolution and higher sensitivity than conventional CCTV cameras. Our Infinity DSP technology utilizes Star-Light, Electronic Wide Dynamic Range, and other great features to help produce a clear horizontal resolution of up to 700 TV lines.

Powerful Electronic Wide Dynamic Range

Enables the camera to capture clear images in the same frame, even when there are both very bright and very dark areas in the same field. Available in the Infinity 960H models only.

HME (Highlight Masking Exposure)

The HME technology detects and masks strong spots of light to produce a clear image of any environment.

Value 960H

2 Year warranty

Our Value 960H Camera is a high resolution camera with an affordable price. Its 960H CCD image sensor achieves higher resolution and higher sensitivity than conventional CCTV cameras. The cameras also offer features like Highlight Masking Exposure, Back Light Compensation, and Electronic Day and Night. The cameras' innovative features and sleek attractive design make it ideal for a wide range of video surveillance applications.

MODELS:

▷ **DWC-B1562DIR**
Weather Proof Bullet, 3.3~12mm, 85ft IR, IP66

▷ **DWC-D562D | DWC-D562DIR**
Indoor Dome, 2.8~11mm, 85ft IR

▷ **DWC-V562D |DWC-V562DIR**
Vandal Dome, 2.8~11mm, 85ft IR, IP66

MODELS:

DWC-B1567WD | DWC-B1567WTIR ◁
Weather Proof Bullet, 3.3~12mm, 100ft Smart IR, IP66

DWC-D4567WD | DWC-D5467WTIR ◁
SnapIt Indoor Dome, 3.3~12mm, 100ft Smart IR, IP66

DWC-V4567WD | DWC-V4567WTIR ◁
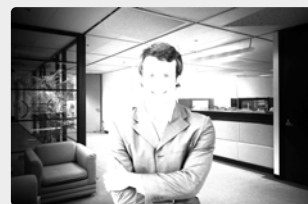SnapIt Vandal Dome Bullet, 3.3~12mm, 100ft Smart IR, IP68

STAR LIGHT 960H

Our Starlight 960H Series is a combination of our powerful Starlight Super-Low Light technology and a 960H CCD image sensor. This combination allows our cameras to achieve higher resolution and higher sensitivity to light than conventional CCTV cameras. Our Star-Light technology offers a slow shutter feature that increases the length of time the shutter remains open to collect additional ambient light, illuminating typically dark environments. Together with the 960H CCD sensor, the camera produces a clear horizontal resolution of up to 720 TV lines.

MODELS:

5 Year Limited Warranty

▷ **DWC-BL2553DIR**
Ball Camera, 3.6mm, 50ft Smart IR, IP66

▷ **DWC-B6563DIR | DWC-B6563TIR550**
Weather Proof Bullet, 3.3~12mm [5~50mm], 85ft Smart IR, IP66

▷ **DWC-D3563D | DWC-D3653DIR**
Indoor Dome, 2.8~12mm, 100ft Smart IR

▷ **DWC-V6553D |DWC-V6553DIR**
Vandal Dome, 3.6mm, 100ft Smart IR, IP66

▷ **DWC-V6563D |DWC-V6563DIR**
Vandal Dome, 2.8~11mm, 100ft Smart IR, IP66

Smart IR

The breakdown of the video image into five (5) zones allows for an even distribution of the IR, which prevents excessive illumination of near-field reflective objects.

Image Sensor: 960HCCD Image Sensor, 720TV Lines [B/W], 700TV Lines [Color]

	Model #	SnapIt	Lens	Vandal	IR	Day/ Night	WDR/BLC/DRC/DNR	Starlight
Infinity 960H	B1567WD	x	3.3 ~ 12mm	IP66	x	Electronic	EWDR, BLC, Smart DNR	o
	B1567WTIR	x	3.3 ~ 12mm	IP66	100ft	TDN	EWDR, BLC, Smart DNR	o
	D4567WD	o	3.3 ~ 12mm	x	x	Electronic	EWDR, BLC, Smart DNR	o
	D4567WTIR	o	3.3 ~ 12mm	x	70ft	TDN	EWDR, BLC, Smart DNR	o
	V4567WD	o	3.3 ~ 12mm	IP68	x	Electronic	EWDR, BLC, Smart DNR	o
	V4567WTIR	o	3.3 ~ 12mm	IP68	70ft	TDN	EWDR, BLC, Smart DNR	o
Starlight 960H	BL2553DIR	x	3.6mm Fixed	IP66	50ft	Electrnoic	BLC, DRC, 3D-DNR	o
	B6563DIR	x	2.8~12mm	IP66	100ft	Electronic	BLC, DRC, 3D-DNR	o
	B6563TIR550	x	5~50mm	IP66	150ft	TDN	BLC, DRC, 3D-DNR	o
	D3563D	x	2.8~12mm	x	x	Electronic	BLC, DRC, 3D-DNR	o
	D3563DIR	x	2.8~12mm	x	100ft	Electronic	BLC, DRC, 3D-DNR	o
	V6553D	x	3.6mm Fixed	IP66	x	Electronic	BLC, DRC, 3D-DNR	o
	V6553DIR	x	3.6mm Fixed	IP66	100ft	Electronic	BLC, DRC, 3D-DNR	o
	V6563D	x	2.8~12mm	IP66	x	Electronic	BLC, DRC, 3D-DNR	o
	V6563DIR	x	2.8~12mm	IP66	100ft	Electronic	BLC, DRC, 3D-DNR	o
Value 960H	B1562DIR	x	3.3 ~ 12mm	IP66	85ft	Electronic	BLC, DRC, 2D-DNR	x
	D562D	x	2.8 ~ 11mm	x	x	Electronic	BLC, DRC, 2D-DNR	x
	D562DIR	x	2.8 ~ 11mm	x	85ft	Electrnoic	BLC, DRC, 2D-DNR	x
	V562D	x	2.8 ~ 11mm	IP66	x	Electronic	BLC, DRC, 2D-DNR	x
	V562DIR	x	2.8 ~ 11mm	IP66	85ft	Electronic	BLC, DRC, 2D-DNR	x

o = Included
x = Not Available

Note: The Value Line camera's housing type number has been omitted from the part number for simplicity.

⊙ Understanding Digital Watchdog Camera Part Numbers

Digital Watchdog Camera

Housing Type

8 : OMNI Focus
7 : Auto Focus
6 : Varifocal
5 : Fixed Lens

Wide Dynamic Range

IR LED

| DWC | — | V | 4 | 3 | 6 | 7 | W | T | IR | 650 |

B: Bullet
BL: Ball
C: Colro Box
D: Indoor Dome
MC: Micro Dome
V: Vandal Dome

2 : Std Res
3 : Hi Res
5 : 96OH

1 : CMOS
2 : CCD
3 : Star-Light
5 : PIXIM
7 : Infinty

D : Electronic D/N
T : True D/N

550 : 5~50mm Lens
650 : 6~50mm Lens

DW

sales@dwcc.tv   www.dwcc.tv   866.446.3595