

# 8-/16-Channel 1080p HQA DVRs

HRHQ1080/HRHQ1081/HRHQ1082/  
HRHQ1160/HRHQ1162/HRHQ1164



SYSTEM	
MAIN PROCESSOR	Embedded Processor
OPERATING SYSTEM	Embedded Linux
VIDEO	
INPUTS	8-Channel DVRs: 8 Channels BNC 16-Channel DVRs: 16 Channels BNC
HQA STANDARD	1080p/720p HQA Up-the-COAX control supported
ANALOG STANDARD	NTSC/PAL: CVBS, CVI, TVI, AHD, 960H
DISPLAY	
INTERFACE	1 HDMI, 1 VGA
RESOLUTION	1920×1080, 1280×1024, 1280×720, 1024×768
DISPLAY SPLIT	8-Channel DVRs: 1/4/8/9/16 16-Channel DVRs: 1/4/8/9/16/25
OSD	Camera Title, Time, Video Loss, Camera Lock, Motion Detection, Recording
RECORDING	
COMPRESSION	H.264+, H.264
RESOLUTION	1080p, 720p, 960H, D1, HD1, BCIF, CIF, QCIF
MAIN STREAM RECORDING RATE	1080p up to 15 fps; 1080N, 720p, 960H, D1, HD1, BCIF, CIF, QCIF up to 25/30 fps (PAL/NTSC)
SECONDARY STREAM RECORDING RATE	D1, CIF, QCIF up to 25/30 fps (PAL/NTSC)
BIT RATE*	32 Kbps ~ 6144 Kbps per channel
RECORDING MODE	Manual, Schedule (Regular/Continuous), MD (Video Detection, Motion Detection, Video Loss, Tampering), Alarm, Stop
RECORDING INTERVAL	1 ~ 20 min (default: 60 min)
PRE-RECORDING INTERVAL	1 ~ 30 sec
POST-RECORDING INTERVAL	10 ~ 300 sec
VIDEO DETECTION AND ALARMS	
TRIGGER EVENTS	Recording, PTZ, Tour, Alarm Out, Video Push, Email, FTP, Snapshot, Buzzer, Screen Tips
VIDEO DETECTION	Motion Detection, MD Zones: 396 (22×18), Video Loss, Face Detection*** and Camera Blank
PLAYBACK AND BACKUP	
SYNC PLAYBACK	8-Channel DVRs: 1/4/9 16-Channel DVRs: 1/4/9/16
SEARCH MODE	Time/Date, Alarm, MD and Exact Search (accurate to the 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 COMPATIBILITY	USB Device, Network

NETWORK	
ETHERNET	8-Channel DVRs: 1 RJ-45 Port (100M) 16-Channel DVRs: 1 RJ-45 Port (1000M)
NETWORK FUNCTION**	HTTP, TCP/IP, IPv4/IPv6, UPnP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPoE, DDNS, FTP, Alarm Server, IP Search (support IP camera, DVR, NVS, etc.)
MAXIMUM NUMBER OF USERS	128
MOBILE DEVICE COMPATIBILITY	iPhone, iPad, Android
AUDIO	
AUDIO INPUT/OUTPUT	4/1
TWO-WAY COMMUNICATION	1 Channel Input, 1 Channel Output, RCA
STORAGE	
INTERNAL STORAGE	2 SATA Ports, up to 6 TB capacity for each disk
AUXILIARY INTERFACE	
USB	2 USB Ports (1 USB 2.0, 1 USB 3.0)
RS232	N/A
RS485	1 Port, for PTZ Control
ELECTRICAL	
POWER SUPPLY	12 VDC, 4 A
POWER CONSUMPTION	<15 W (without HDD)
ENVIRONMENTAL	
OPERATING TEMPERATURE	-10°C to 55°C (14°F to 131°F)
RELATIVE HUMIDITY	0 ~ 90%, non-condensing
STORAGE TEMPERATURE	0°C to 50°C (32°F to 122°F)
PHYSICAL	
DIMENSIONS	375 mm × 285 mm × 55 mm (14.7" × 11.2" × 2.2")
WEIGHT (WITHOUT HDD)	1.8 kg (3.9 lb.)
REGULATORY	
EMISSIONS	FCC Part 15B, CE EN55032
IMMUNITY	CE EN50130-4
SAFETY	UL60950-1; EN60950-1
ROHS	EN 50581

\* Actual bit rate is scene and motion dependent with H.264 stream.

\*\* Some development may be required in specific user cases to support some of these protocols in the field as they mature over time.

\*\*\*The DVR supports the face detection function on 1 channel for HQA cameras only. If IP cameras are connected, the face detection function is disabled.

# Performance Series 8-/16-Channel 1080p HQA DVRs

## RECOMMENDED ACCESSORIES

### SYSTEM INTEGRATION

ONVIF support and open API software integration. Refer to [www.onvif.org](http://www.onvif.org) for the ONVIF specification and the Honeywell Open Technology Alliance website (<http://www.security.honeywell.com/hota/>) to learn more about our open and integrated solutions.



### HONEYWELL PERFORMANCE SERIES HQA CAMERAS

<b>BOX CAMERAS</b>	HC2HD2
<b>BULLET CAMERAS</b>	HB30XD2, HB41XD2, HB42XD2, HB74HD1, HB74HD2, HB75HD1, HB76HD2, HB276HD2
<b>MINIDOME CAMERAS</b>	HD30XD2, HD41XD2, HD42XD2, HD73HD1, HD74HD2, HD274HD2
<b>BALL CAMERAS</b>	HE30XD2, HE30XD2G, HE41XD2, HE42XD2, HE42XD2G, HD29HD1, HD30HD1, HD30HD2, HD31HD2, HD231HD2

### HONEYWELL PERFORMANCE SERIES IP CAMERAS

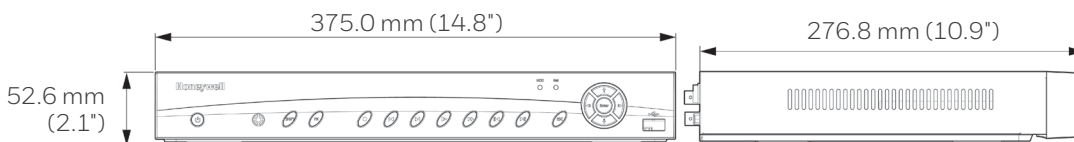
<b>MICRO DOME CAMERAS</b>	H2W4PRV3*, H2W2PRV3
<b>BULLET CAMERAS</b>	HBD2PER1, HBW4PER1*, HBW4PER2*, HBW4PR1*, HBW2PR1, HBW4PR2*, HBW2PR2
<b>MINIDOME CAMERAS</b>	H4W4PER2*, H4W4PER3*, H4W4PRV3*, H4W4PRV2*, H4W2PRV2
<b>BALL CAMERAS</b>	HED2PER3, HEW4PER3*, HEW4PR3*, HEW4PRW3*, HEW2PR1, HEW2PRW1, HEW4PR2*, HEW2PR2

\* Change the video output on 4 MP cameras to 1080p before using them with HRHQ DVRs.

## ORDERING

<b>HRHQ1080</b>	8-Channel, 2 SATA, 720p @ 240 fps, 1080p @ 120 fps, alarm 8/3 input/output, 0 TB, 12 VDC
<b>HRHQ1081</b>	8-Channel, 2 SATA, 720p @ 240 fps, 1080p @ 120 fps, alarm 8/3 input/output, 1 TB, 12 VDC
<b>HRHQ1082</b>	8-Channel, 2 SATA, 720p @ 240 fps, 1080p @ 120 fps, alarm 8/3 input/output, 2 TB, 12 VDC
<b>HRHQ1160</b>	16-Channel, 2 SATA, 720p @ 480 fps, 1080p @ 240 fps, alarm 16/3 input/output, 0 TB, 12 VDC
<b>HRHQ1162</b>	16-Channel, 2 SATA, 720p @ 480 fps, 1080p @ 240 fps, alarm 16/3 input/output, 2 TB, 12 VDC
<b>HRHQ1164</b>	16-Channel, 2 SATA, 720p @ 480 fps, 1080p @ 240 fps, alarm 16/3 input/output, 4 TB, 12 VDC

## DIMENSIONS



### For more information

[www.honeywell.com/security](http://www.honeywell.com/security)

### Honeywell Security and Fire

Aston Fields Road  
Whitehouse Industrial Estate  
Runcorn, Cheshire, WA7 3DL  
United Kingdom  
Tel: +44 (0)8448 000 235  
[www.honeywell.com](http://www.honeywell.com)

### Honeywell Security Office -

Emaar Business Park, Sheikh Zayed Road  
Building No. 2, 2nd floor, 201  
Post Office Box 232362  
Dubai, United Arab Emirates  
Tel: +971 44541704  
[www.honeywell.com](http://www.honeywell.com)

Honeywell reserves the right, without notification, to make changes in product design or specifications.

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