

HYBRID 4MP DVRs

Performance Series HQA

Supercharge your analog security system with Honeywell's HQA (High Quality Analog) technology for High Definition 4 MP images over your existing coax infrastructure.

Our newest HQA DVRs use an over-coaxial cable analog HD video transmission standard to allow long-distance HD transmission at a lower cost. The Performance Series HQA Hybrid 4 MP DVRs are the economic alternative for achieving HD video surveillance while retaining your existing BNC cables and cameras.

FULLY-FEATURED DVRs

- High-decoding capability for full HD viewing and recording.
- View up to 16 channels simultaneously on your monitor with 4 MP full frame rate preview.
- Record first channel at 4K/8MP (with 8 and 16chs models at 15fps) and all channels at 4MP full frame rate.
- H.264 dual-stream video compression.
- Each channel supports HQA/ analog video input; up to 8 additional channels support IP video input.
- Simultaneous HDMI/VGA video output.
- PIR and Temperature/ Humidity cameras support
- HQA Fisheye camera support with webGUI dewarping

EASY TO USE

- The Quick wizard and plug-and-play (like traditional DVRs and analog cameras) make setup fast and easy.
- Physical installation within minutes with the help of a comprehensive and easy-to-understand quick installation guide.

CONVENIENT, FLEXIBLE STORAGE OPTIONS

- Internal storage: 4-Channel DVRs available with 1 or 2 TB storage (1HDD). 8-Channel DVRs available with 2 or 4 TB storage (2 HDDs). 16-Channel DVRs available with 2, 4, 6 or 12 TB storage (2 HDDs).
- Store videos and snapshots to external storage such as the client's PC, through the Internet.
- Store videos and snapshots to an external network storage server such as an FTP site.
- Store videos and snapshots to a USB storage device.

DYNAMIC, ACCESSIBLE MONITORING

- Monitor from anywhere using the mobile apps for iOS and Android devices.
- All channels support synchronous playback and smart search (search for video that was recorded because motion was detected in a selected area.)



HRHT4040; HRHT4041; HRHT4042



HRHT4080; HRHT4082;
HRHT4084; HRHT4162;
HRHT4160; HRHT4164;
HRHT4166; HRHT41612

SAFETY FEATURES

- Configurable motion detection and camera tamper detection settings, including configurable event notifications, such as automatic emails (with attached video or snapshot) and automatic alerts (such as buzzers).
- Remote configuration and firmware updating through Honeywell Viewer web client and the Honeywell Config tool. Password-protected access to the camera's and DVR's video and network setup.
- Bidirectional communication for the DVR.

MARKET OPPORTUNITIES

- The Performance Series HQA Hybrid 4MP DVRs' HQA technology makes these DVRs perfect for installations where you want HD-quality video while still using your existing coax infrastructure.
- These HQA DVRs also deliver higher quality video than current 960H analog systems, but at a similar cost.

Honeywell

FEATURES AND BENEFITS



Immediately detect and respond to events.

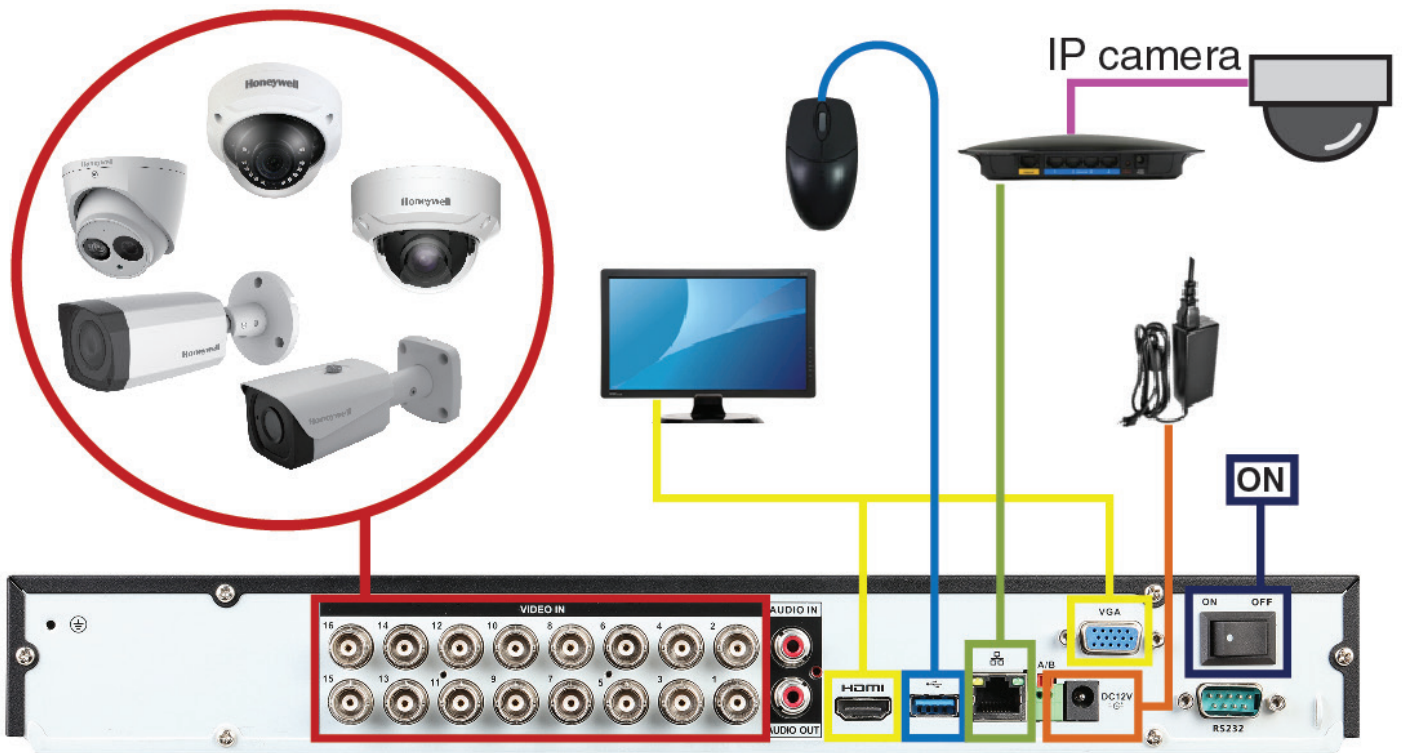


The Performance Series HQA 4 MP Hybrid DVRs can be configured to automatically detect and respond to events such as motion in the scene, alarm inputs, video loss, and/or tampering.



Automated responses include:

- Sending a notification through email, FTP and/or HTTP.
- Uploading still images at the time of the event through email and/or FTP.



Hybrid 4 MP DVRs Technical Specifications

SYSTEM

Main Processor: Embedded processor

Operating System: Embedded Linux

VIDEO

Inputs:

4-channel DVRs: 4 Channels HQA;
2 Channels IP

8-channel DVRs: 8 Channels HQA;
4 Channels IP

16-channel DVRs: 16 Channels HQA;
8 Channels IP

HQA Standard:

4 MP HQA: Up-the-Coax
control supported

Analog Standard:

NTSC/PAL: CVBS, including 960H

AUDIO

Audio Input/Output: 1/1

Two-way Communication: 1 channel
input/1 channel output, RCA

DISPLAY

Interface: 1 HDMI (up to 3840 x 2160);
1 VGA

Resolution: 3840 x 2160, 2560 x 1440,
1920 x 1080; 1280 x 1024; 1280 x 720;
1024 x 768

Display Split:

4-channel DVRs: 1/4/6

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

RECORDING

Compression: H.264+ / H.264

Resolution: 4K (3840x2160) ***;
4 MP (2560 x 1440);

1080p (1920 x 1080);
720p (1280 x 720);

960H (960 x 576/960 x 480);
D1 (704 x 576 / 704 x 480);

HD1 (352 x 576/ 352 x 480);

BCIF (704 x 288/704 x 240);

CIF (352 x 288/ 352 x 240);

QCIF (176 x 144; 176 x 120)

Main Stream Recording Rate:

1 – 15 fps (4K/4MP); 1 – 25/30 fps

(1080p/720p/960H/D1/HD1/

BCIF/CIF/QCIF)

Secondary Stream Recording Rate:

1 – 15 fps (D1/CIF/QCIF)

Bit Rate*: 8 to 6144 Kbps

Recording Mode: Auto (Regular, Motion
Detection, Video Loss, Tampering, Alarm,
Intelligence); Manual; Stop

Recording Interval: 1 to 60 minutes
(default: 60 minutes)

Pre-recording Interval: 1 to 30 seconds

Post-recording Interval: 10 to
300 seconds

VIDEO DETECTION AND ALARMS

Sync:

4-channel DVRs: 1/4

8-/16-channel DVRs: 1/4/9/16

Search Mode: Time/Date; Alarm;
Motion Detection; Exact Search (accurate
to a second); Intelligence; Smart Search

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: 1 x RJ-45 port (1000 Mbps)

Network Function:** HTTP; TCP/IP;
IPv4/IPv6; UPnP; RTSP; UDP; SMTP;
NTP; DHCP; DNS; IP filter; PPPoE;
DDNS; FTP; IP Search

Maximum Number of Users: 128 users

Mobile Device Compatibility: iPhone; iPad;
Android (phone and tablet)

STORAGE

Internal Storage:

4-channel DVRs: 1 SATA port; up to 8 TB.

8-/16-channel DVRs: 2 SATA ports;
up to 16 TB

AUXILIARY INTERFACE

USB: 2 ports: 1 USB 2.0; 1 USB 3.0

RS232: 1 port, for PC communication
and keyboard

RS485: 1 port, for PTZ control

ELECTRICAL

Power Supply:

4-channel DVRs: 12 V DC, 2 A

8-channel DVRs: 12 V DC, 4 A

16-channel DVRs: 12 V DC, 5 A

Power Consumption: 15 W (without HDD)

ENVIRONMENTAL

Operating Temperature: 14°F to 131°F
(-10°C to 55°C)

Storage Temperature: 14°F to 131°F
(-10°C to 55°C)

Humidity: 0% to 90%

PHYSICAL

Dimensions:

4-channel DVRs: 12.8 x 9.7 x 2.2 in,
(325 x 245 x 55 mm)

8-/16-channel DVRs: 14.8 x 10.9 x 2.1
in. (375 x 277 x 53 mm)

Dimensions:

4-channel DVRs: 3.3 lb (1.55 kg)

8-/16-channel DVRs: 5.2 lb (2.35 kg)

REGULATORY

Emissions: FCC Part 15B, EN 55032

Immunity: EN 50130-4

Safety: UL 60950-1; EN 60950-1

RoHS: 1 – 15 fps (D1/CIF/QCIF)

Bit Rate: EN 50581

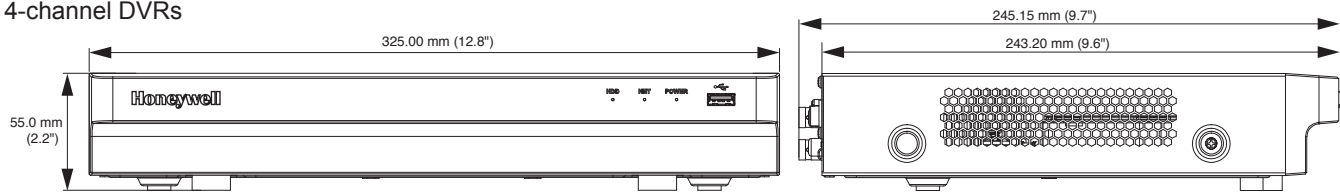
* Actual bit rate is scene and motion
dependent with H.264 stream.

** Some development might be required in
specific user cases to support some of these
protocols in the field as naturally protocols will
mature over time.

*** With 8 and 16 channels models, on first
channel only, @15fps

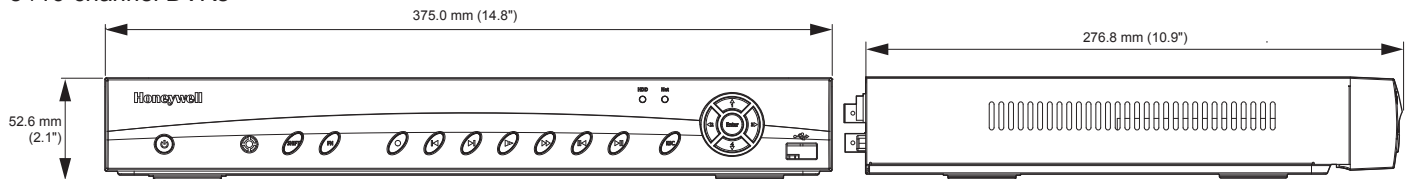
Hybrid 4 MP DVRs Technical Specifications

4-channel DVRs



HRHT4040; HRHT4041; HRHT4042

8-/16-channel DVRs



HRHT4080; HRHT4082; HRHT4084; HRHT4160; HRHT4162; HRHT4164; HRHT4166; HRHT41612

ORDERING

| 4-CHANNEL DVRS | |
|-----------------|--|
| HRHT4040 | 4 MP, 4-channel, 0 TB, 1 SATA, HQA/CVBS*/IP Hybrid DVR, NTSC |
| HRHT4041 | 4 MP, 4-channel, 1 TB, 1 SATA, HQA/CVBS*/IP Hybrid DVR, NTSC |
| HRHT4042 | 4 MP, 4-channel, 2 TB, 1 SATA, HQA/CVBS*/IP Hybrid DVR, NTSC |
| 8-CHANNEL DVRS | |
| HRHT4080 | 4 MP, 8-channel, 0 TB, 2 SATA, HQA/CVBS*/IP Hybrid DVR, NTSC |
| HRHT4082 | 4 MP, 8-channel, 2 TB, 2 SATA, HQA/CVBS*/IP Hybrid DVR, NTSC |
| HRHT4084 | 4 MP, 8-channel, 4 TB, 2 SATA, HQA/CVBS*/IP Hybrid DVR, NTSC |
| 16-CHANNEL DVRS | |
| HRHT4160 | 4 MP, 16-channel, 0 TB, 2 SATA, HQA/CVBS*/IP Hybrid DVR, NTS |
| HRHT4162 | 4 MP, 16-channel, 2 TB, 2 SATA, HQA/CVBS*/IP Hybrid DVR, NTSC |
| HRHT4164 | 4 MP, 16-channel, 4 TB, 2 SATA, HQA/CVBS*/IP Hybrid DVR, NTSC |
| HRHT4166 | 4 MP, 16-channel, 6 TB, 2 SATA, HQA/CVBS*/IP Hybrid DVR, NTSC |
| HRHT41612 | 4 MP, 16-channel, 12 TB, 2 SATA, HQA/CVBS*/IP Hybrid DVR, NTSC |

HONEYWELL PERFORMANCE SERIES HQA CAMERAS

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|----------|--|
| HD30HD4 | Ball, 4 MP, HQA SD, IR, 3.6 mm, 12 V DC, NTSC |
| HD274HD4 | Vandal Dome, 4 MP, HQA SD, IR, 2.7-12 mm, MFZ, 12 V DC/24 V AC, IP66, IK10, NTSC |
| HB74HD4 | Bullet, 4 MP, HQA SD, IR, 3.6 mm, 12 V DC, IP66, NTSC |
| HB276HD4 | Bullet, 4 MP, HQA SD, IR, 2.7-12 mm, MFZ, 12 V DC/24 V AC, IP66, NTSC |
| HB30PHD2 | 1080P PIR HQA Camera, TDN, 2.8MM, 12VDC, HQA |
| H4D42HD8 | 8MP HQA IR WDR Dome camera, 3.7~11mm MFZ, 24VAC/12VDC, HQA/TVI/AHD/SD |
| HBD42HD8 | 8MP HQA IR WDR Bullet camera, 3.7~11mm MFZ, 24VAC/12VDC, HQA/TVI/AHD/SD |
| HFD40HD4 | 4MP WDR HQA Fisheye, 1.18mm, 12VDC, HQA/SD |

For more information

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

HVS-HRHTHQADVR-03-US(0720)DS-Z
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THE
FUTURE
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WHAT
WE
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