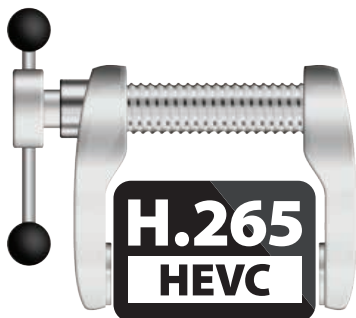# Analogue to HD upgrades

Entry Series: 1.0MP HDCVI Synergy DVR, available in 8 and 16 channels

The Watchguard™ Entry Series feature extensive compatibility for HD over coax with support for HDCVI, HDTVI, AHD, Analogue and IP video inputs, making it perfect for both new and retrofit CCTV installations.
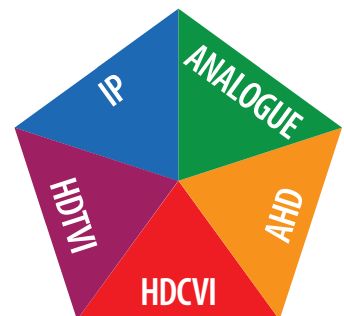
- Record up to HD 720p (1280 x 720) at 15fps
- H.265 encoding for efficient storage & streaming
- Add additional IP channels up to 6.0MP resolution
- 1 x SATA port for up to 10TB total HDD capacity
- Up to 700m HDCVI video transmission over coaxial

- Configure remote view in seconds via QR code
- 1 x HDMI & 1 x VGA simultaneous video output
- Backup via external USB device or local network
- Remote view for iOS, Android & Windows Phone
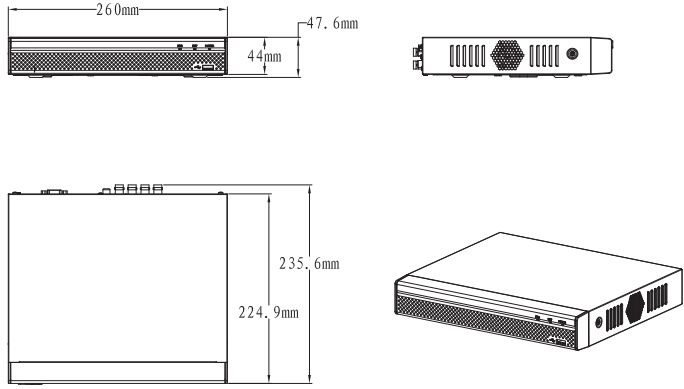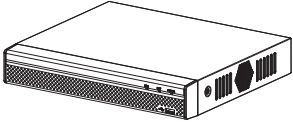- Quiet smart fan auto adjusts with CPU temperature

High Efficiency Video Recording

Double Analogue D1 Resolution

IP, Analogue & HD Over Coax Support

Watchguard™

	Model	CVR8ENT	CVR16ENT
General	Product Image		
General	Main Processor	Embedded Processor	
General	Operating System	Embedded Linux OS	
General	Video Input	8 channel BNC	16 channel BNC
General	Camera Configurations	**Coaxial:** 1st channel up to 720p/25fps (HDCVI, HDTVI, AHD, analogue), 720p/15fps **Network:** Add 2 channels up to 6.0MP Max 40Mbps Incoming Bandwidth	**Coaxial:** 16 channels up to 720p/25fps (HDCVI, HDTVI, AHD, analogue), **Network:** Add 2 channels up to 6.0MP Max 72Mbps Incoming Bandwidth
General	Audio In/Out	1 channel input / 1 channel output	
General	Two-way Talk	Reuse channel 1 audio input / output RCA	
Display	Video Output	1 x HDMI, 1 x VGA	
Display	Display Resolution	1920 x 1080 / 1280 x 1024 / 1280 x 720	
Display	Display Split	1 / 4 / 8 /9	1 / 4 / 8 / 9 / 16
Display	OSD	Camera Title, Time, Video Loss, Camera Lock, Motion Detection & Recording	
Recording	Maximum Resolution	1.0MP 720p (1980 x 1020)	
Recording	Frame Rate	**Main:** 1st channel only- 720p (1~25fps), 720p 1~15fps, 960H (1~25fps) **Sub:** CIF (1~7fps)	
Recording	Video Compression	H.265 / H.264	
Recording	Bit Rate	32~4096Kb/s per channel	
Recording	Record Modes	Manual / Schedule (Regular [Continuous], MD) / Alarm / Stop	Manual, Schedule (General, Continuous), MD (Video detection: Motion Detection, Video Loss, Tampering), Alarm, Stop
Recording	Record Interval	1~60 min (default: 60 min) / Pre: 1~30s / Post: 10~300s	1 ~ 60 min (default: 60 min), Pre-record: 1 ~ 30 sec, Post-record: 10 ~ 300 sec
Features	Alarm Input / Output	N/A	
Features	Trigger Events	Recording; PTZ; Tour; Alarm Out; Push Video Notification; Email notification; FTP; Snapshot; Internal Buzzer; and Screen Tip Overlay	Recording; PTZ, Tour, Video Push, Email, FTP, Snapshot, Buzzer and Screen Tips
Features	Video Detection	MD zones: 396 (22 × 18) / Video loss / Camera blank	Motion Detection, MD Zones: 396 (22 × 18), Video Loss, Tampering and Diagnosis
Features	Playback Sync	1 / 4 / 9	1 / 4 / 9 / 16
Features	Search Modes	Time/Date; Alarm; Motion detection; Exact search (to the second)	
Features	Backup Modes	USB Device / Network	
Network	Ethernet	1 RJ-45 port (10/100M)	
Network	Network Functions	HTTP, TCP/IP, IPv4/IPv6, UPnP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPoE, DDNS, FTP, Alarm Server, P2P, IP Search	
Network	Max. User Access	128 users	
Network	Remote View	iOS (iPhone, iPad) / Android devices / Windows Phone* (limited functionality)	
General	Internal HDD	1 SATA port, up to 10TB	
General	USB Interface	2 ports: Front USB2.0	
General	Auxiliary Inputs	1 x RS485 port (for PTZ)	
General	Power Supply	12VDC/2VAC	
General	Power Consumption	<10W (without HDD)	
General	Operating Environment	-10 ~55℃ / 10~90%RH / 86~106kpa	-10℃ ~ +55℃ , 10~ 90% RH
General	Dimensions	260mm x 236mm x 48mm (1U)	
General	Weight	0.9kg (without HDD)	
Accessories	Product Diagram		

Your local Watchguard™ HDCVI solutions professional: