



AI performance over coax.

Compact Series: 8.0MP HDCVI Synergy AI DVRs in 8 and 16 channels

The Watchguard Compact Series delivers Ultra HD surveillance with AI over your existing coaxial cable. DVRs in the range feature great cross compatibility, enabling you to upgrade cameras you're not happy with, keep existing cameras you do like, and add AI alerts to improve your security experience. This makes them perfect for partial CCTV upgrades or upgrades on a budget. Monitor your home or business and keep all that you love safe with Watchguard Compact Series HDCVI DVRs.

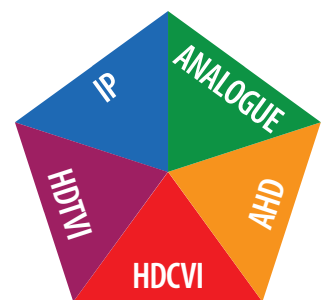
- Record up to 8.0MP (3840 x 2160) at 7fps (HDCVI)
- Supports analogue, HDTV and AHD camera inputs
- Supports additional IP channels* via the network up to 8.0MP / 4K with up to 128Mbps incoming bandwidth
- *Addition of IP Cameras beyond X channels disables the DVR's AI / IVS functions.
- 1 x HDD bays for up to 16TB of total footage storage
- AI detection to identify people & vehicles with smart motion detection (SMD+) & perimeter protection
- Identify people for security & business intelligence with up to 2 channels of face recognition (with BNC inputs)
- **IP cameras with built-in AI cannot use AI functions on HDCVI DVRs.



Ultra HD Recording Over Coax



AI Person & Vehicle Detection



Camera Cross Compatibility

Model	CVR8COM3	CVR16COM3
General		
Main Processor	Embedded Processor	Embedded Processor
Operating System	Embedded Linux	
Video Input	8 channel BNC	16 channel BNC
Camera Configurations	Coaxial: 8 channels up to 8.0MP/7fps (HDCVI, HDTV, AHD), 960H/25fps (analogue) Network: Add 8 channels up to 8.0MP Max 128Mbps Incoming Bandwidth	Coaxial: 16 channels up to 8.0MP/7fps (HDCVI, HDTV, AHD), 960H/25fps (analogue) Network: Add 16 channels up to 8.0MP Max 128Mbps Incoming Bandwidth
Audio In/Out	1 input / 1 output (RCA), Reuse for two way talk	16 input / 1 output (RCA), Reuse for two way talk
Video Output	1 x HDMI, 1 x VGA	
Display Resolution	HDMI: 3840x2160x1920x1080x1280x1024x1280x720 VGA: 1920x1080x1280x1024x1280x720	
Display Split	Standard: 1 / 4 / 8 / 9 IP extension: 1 / 4 / 8 / 9 / 16	Standard: 1 / 4 / 8 / 9 / 16 IP extension: 1 / 4 / 8 / 9 / 16 / 25 / 36
OSD	Camera title, time, video loss, camera lock, MD & recording	
Maximum Resolution	Configurable from 8.0MP (3840 x 2160) to CIF (352 x 288)	
Frame Rate	Main: 8.0MP (1~7fps), 6.0MP (1fps~10fps), 4.0MP (1~15fps), 1080p and lower (1~25fps) Sub: 960H (1~15fps)	
Video Compression	AI Coding / H.265+ / H.265 / H.264+ / H.264	
Bit Rate	32~6144 Kbps per channel	
Record Modes	Manual / Schedule (Regular, Continuous), Motion Detection, Video Loss, Alarm, Stop	
Record Interval	1~60 min (default: 60 min) / Pre: 1~30s / Post: 10~300s	
Audio Compression	G.711A, G.711U, PCM	
Features		
Alarm Input / Output	N/A	16 channel input / 3 relay output
Trigger Events	Recording; PTZ; tour; alarm; push video notification; email notification; FTP upload; snapshot; internal buzzer; screen tip overlay; and voice prompt	
Video Detection	MD zones: 396 (22 x 18) / Video loss / Tampering and Diagnosis	
Playback Sync	1 / 4 / 9	1 / 4 / 9 / 16
Search Modes	Time/Date; Alarm; Motion detection; Exact search (to the second); Smart Search	
Backup Modes	USB Device / Network	
AI Functions		
Face Recognition	Performance: Max. 12 pictures per second, 2 channel video stream only supports analog cameras Stranger Mode: Detect strangers face (not in database) Database Management: Up to 10 face databases with 20,000 face images in total	
Perimeter Protection	Performance: 2 channels, 10 IVS rules for each channel (advanced) ; 8 channels, 10 IVS for each channel (general) Object Classification: Human/ vehicle secondary recognition for tripwire and intrusion	
Smart Motion Detection	8 channels	16 channels
AI Search	Search by target classification (Human, Vehicle)	
Network		
Ethernet	1 x RJ-45 port (1000MB)	
Network Functions	HTTP, HTTPS, TCP/IP, IPv4, RTSP, UDP, SMTP, NTP, DHCP, DNS, DDNS, P2P	
Max. User Access	128 users	
Remote View	iOS (iPhone, iPad), Android devices	
Interoperability	ONVIF 21.06, CGI Conformant	
Internal HDD	1 x SATA port, up to 16TB HDD capacity	
USB Interface	2 x USB ports (1 x USB 2.0 , 1 x USB 3.0)	
General		
Auxiliary Inputs	1 x RS485 port (for PTZ Control)	1 x RS485 port
Power Supply	12VDC / 2A	12VDC / 3A
Power Consumption	<10W	<15W (without HDD)
Operating Environment	-10 ~55°C / 10~90% RH	
Dimensions	260mm x 238mm x 48mm (1U)	325mm x 257mm x 55mm (1U)
Net Weight	1.0kg (without HDD)	1.5kg (without HDD)
Accessories		
Product Diagram		

Your local Watchguard™ HDCVI solutions professional: