



XVR-Q2-C16/XA

- ❖ 8 channels and 1 HDD 1U AcuSense DVR
- ❖ Support 2-ch Facial Recognition or 4-ch advanced model Perimeter Protection based on Deep Learning algorithm
- ❖ Support 4-ch AcuSearch Technology
- ❖ Efficient H.265 pro+ compression technology
- ❖ Encoding ability up to 3K/5M Lite @ 12 fps
- ❖ 5 signals input adaptively (HDTV/ AHD/ CVI/ CVBS/ IP)
- ❖ Up to 12 -ch network cameras can be connected
- ❖ Support All channels Motion Detection Technology
- ❖ Support All channels HDTV/ Two-Way Audio Technology

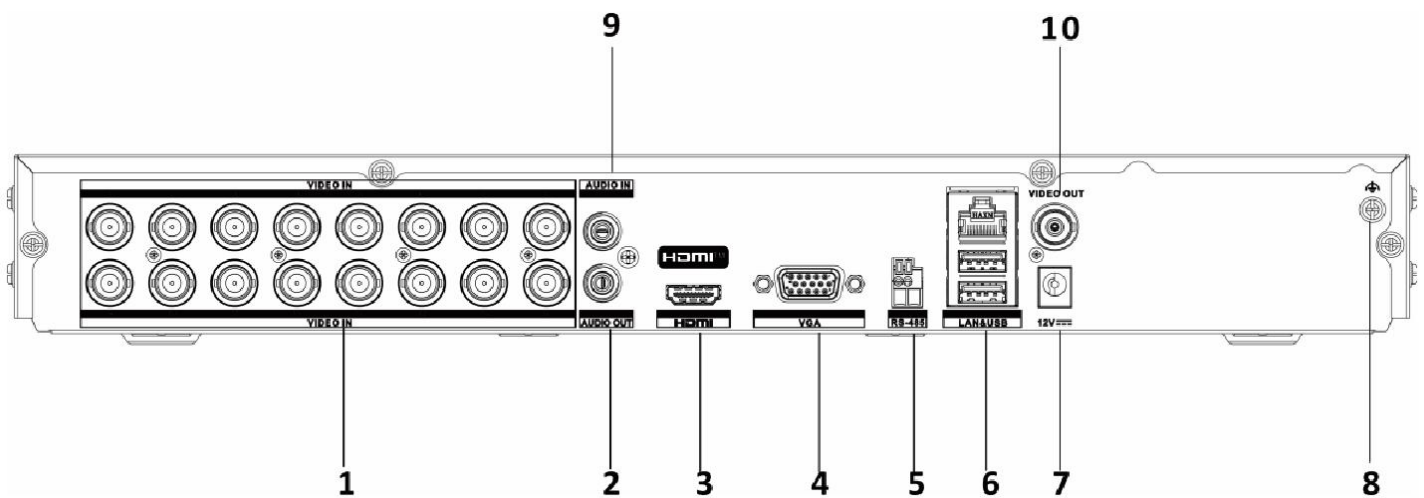
Digital Video Recorder	
Model	XVR-Q2-C16/XA
Product Name	16-ch 2 HDD1080p 1U AcuSense XVR
Facial Recognition	
Face Picture Comparison	Face picture comparison, face picture search (4-ch face picture comparison alarm for HD analog camera)
Face Picture Library	Up to 16 face picture libraries
Facial Detection	
Facial Detection And Capture	Face picture detection, face picture search ; 4-ch face picture capture
Motion Detection 2.0	
Human/Vehicle Analysis	Deep learning-based motion detection 2.0 is enabled by default for all analog channels, it can classify human and vehicle, and extremely reduce false alarms caused by objects like leaves and lights; Quick search by object or event type is supported;
Perimeter Protection	
Human/Vehicle Analysis	Up to 8-ch(advanced model)
Video And Audio	
IP Video Input	8-ch (up to 24-ch), Up to 6MP resolution
Analog Video Input	16-ch BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection

Analog Cameras Supported	<p>HDTVI Camera Input</p> <p>3K(2960 x 1665) @ 25/20 fps; 3K(3328x1504) @ 20 fps; 5MP(2560 x 1944) @ 20 fps; 4MP(2560 x 1440) @ 25/30 fps; 1080P @ 25/30 fps; 720P @ 25/30 fps</p> <p>AHD Camera Input</p> <p>5MP(2560 x 1944) @ 20 fps; 4MP(2560 x 1440) @ 25/30 fps; 1080P @ 25/30 fps; 720P @ 25/30 fps</p> <p>HDCVI Camera Input</p> <p>3K(2880x1620) @ 25 fps; 5MP(2592 x 1944) @ 20 fps; 4MP(2560 x 1440) @ 25/30 fps; 1080P @ 25/30 fps; 720P @ 25/30 fps</p>
CVBS Input	PAL/NTSC
CVBS Output	1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 x 576, NTSC: 704 x 480
HDMI Output	1-ch, 1920 x 1080/60Hz, 1280 x 1024/60Hz, 1280 x 720/60Hz
VGA Output	1-ch, 1920 x 1080/60Hz, 1280 x 1024/60Hz, 1280 x 720/60Hz
Video Output Mode	HDMI/VGA simultaneous output
Audio Input	1-ch (up to 16-ch is optional), RCA (2.0 Vp-p, 1 KΩ), 16-ch via coaxial cable
Audio Output	1-ch, RCA (Linear, 1 KΩ)
Two-Way Audio	1-ch, RCA (2.0 Vp-p, 1 KΩ) (using the first audio input)
Synchronous Playback	16-ch
Recording	
Video Compression	H.265 Pro+/H.265 Pro/H.265/H.264+/H.264
Encoding Resolution	<p>When 1080p lite mode is not enabled:</p> <p style="padding-left: 40px;">3K lite/5MP lite/4MP lite/1080p/720p/VGA/WD1/4CIF/CIF;</p> <p>When 1080p lite mode is enabled:</p> <p style="padding-left: 40px;">3K lite/5MP lite/4MP lite/1080p lite/720p lite/VGA/WD1/4CIF/CIF</p>

Encoding Frame Rate	<p>Main stream:</p> <p>When 1080p lite mode not enabled:</p> <p style="padding-left: 40px;">For 3K stream access:</p> <p style="padding-left: 80px;">3K lite @12 fps;</p> <p style="padding-left: 80px;">4MP lite/1080p @15 fps;</p> <p style="padding-left: 80px;">720p/WD1/4CIF/VGA/CIF @ 20 fps</p> <p style="padding-left: 40px;">For 5MP stream access:</p> <p style="padding-left: 80px;">5MP lite @12fps;</p> <p style="padding-left: 80px;">4MP lite/1080p @15fps;</p> <p style="padding-left: 80px;">720p/WD1/4CIF/VGA/CIF @ 20 fps</p> <p style="padding-left: 40px;">For 4MP stream access:</p> <p style="padding-left: 80px;">4MP lite/1080p @15fps;</p> <p style="padding-left: 80px;">720p/WD1/4CIF/VGA/CIF @ 25 fps (P) /30 fps (N)</p> <p style="padding-left: 40px;">For 1080p stream access:</p> <p style="padding-left: 80px;">1080p/720p @15 fps;</p> <p style="padding-left: 80px;">VGA/WD1/4CIF/CIF @ 25fps (P) / 30 fps (N)</p> <p style="padding-left: 40px;">For 720p stream access:</p> <p style="padding-left: 80px;">720p/VGA/WD1/4CIF/CIF @ 25fps (P)/ 30 fps (N)</p> <p>When 1080p lite mode enabled:</p> <p style="padding-left: 40px;">3K lite/5MP lite@12fps;</p> <p style="padding-left: 40px;">4MP lite@15fps;</p> <p style="padding-left: 40px;">1080p lite/720p lite/VGA/WD1/4CIF/CIF @ 25 fps(P) / 30 fps(N)</p> <p>Sub-stream:</p> <p style="padding-left: 40px;">WD1/4CIF @12fps;</p> <p style="padding-left: 40px;">CIF@25fps (P)/30fps (N)</p>
Video Bit Rate	32 Kbps to 6 Mbps
Dual-Stream	Support main stream or sub stream
Stream Type	Video, Video & Audio
Audio Compression	G.711u
Audio Bit Rate	64 Kbps
Decoding	
Decoding Capability	Up to 24-ch 1080P@30fps
Network	
Remote Connection	128
Total Bandwidth	256 Mbps
Network Protocol	TCP/IP, PPPoE, DHCP, Guarding Vision, Hik-Connect, DNS, DDNS, NTP, SADP, NFS, iSCSI, UPnP™, HTTPS, ONVIF
Network Interface	1, RJ45 10/100 Mbps self-adaptive Ethernet interface
Wi-Fi	Connectable to Wi-Fi network by Wi-Fi dongle through USB interface
Interfaces/Ports	
SATA	2 SATA interface, up to 12 TB capacity for each disk
Serial Interface	RS-485 (half-duplex)
USB Interface	Front panel: 1 × USB 2.0; Rear panel: 2 × USB 3.0
Alarm In/Out	N/A (optional to support)

General	
Power Supply	12 VDC, 3.3 A
Power Consumption (without HDD)	≤ 40 W
Working Temperature	-10 °C to 55 °C (14 °F to 131 °F)
Working Humidity	10% to 90%
Dimension (W × D × H)	384 × 317 × 52 mm (15.1" × 12.5" × 2.0")
Weight	≤ 2 kg (4.4 lb)(without HDD)

Physical Interface



No.	Description	No.	Description
1	Video in	6	LAN network interface
2	Audio out, RCA connector	7	12 VDC power input
3	HDMI interface	8	GND
4	VGA interface	9	Audio in
5	RS-485 interface	10	Audio out