



XVR-U2-C16/XA

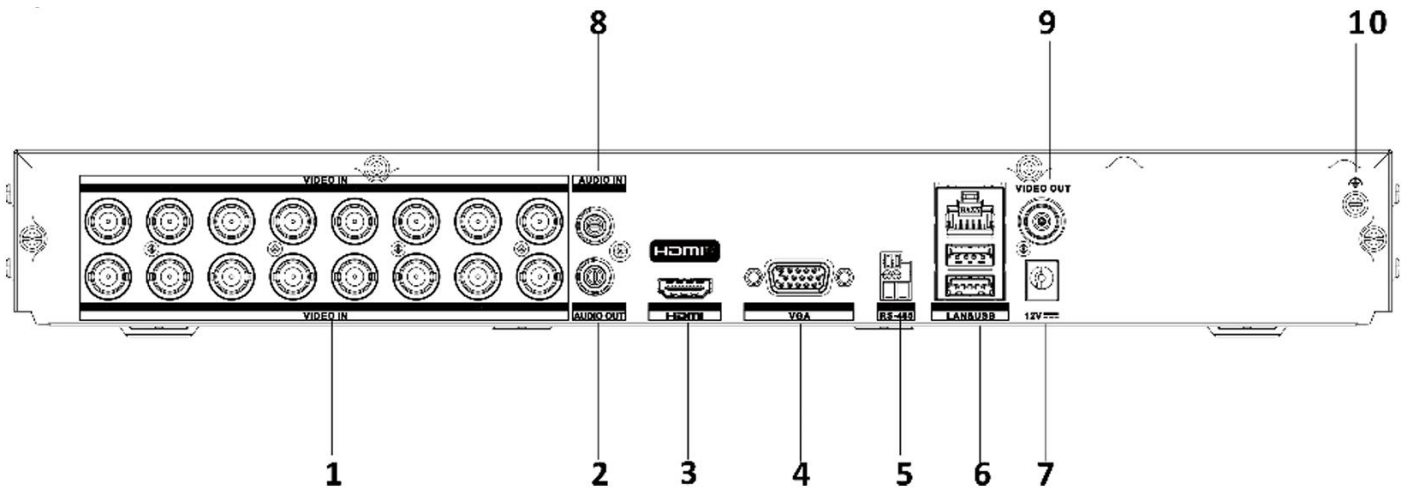
- ❖ 16 channels and 2 HDD 1U AcuSense DVR
- ❖ Support 4-ch Facial Recognition or 16-ch advanced model Perimeter Protection based on Deep Learning algorithm
- ❖ Support 16-ch AcuSearch Technology
- ❖ Encoding ability up to 4K/8MP @ 8fps; 3K/5MP @12fps
- ❖ Up to 32 channels IP camera inputs, each channel up to 8MP
- ❖ Up to 24*1080P@30fps decoding ability
- ❖ 5 signals input adaptively (HDTV/1/AHD/CVI/CVBS/IP)
- ❖ Support All channels Motion Detection Technology
- ❖ Support All channels HDTV/1 Two-Way Audio Technology

Digital Video Recorder	
Model	XVR-U2-C16/XA
Product Name	16-ch 2 HDD 5 MP 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	
Human/Vehicle Analysis	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	16-ch (up to 32-ch), each up to 8 MP resolution
Analog Video Input	16-ch BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection

<p>Analog Cameras Supported</p>	<p>HDTVI Camera Input 8 MP (3840 × 2160) @ 12/15 fps, 3K (2960 x 1665) @ 25 /20 fps, 3K (3328 x 1504) @ 20 fps, 5 MP (2560 × 1944) @ 20 fps, 4 MP (2560 × 1440) @ 25/30 fps, 1080P @ 25/30 fps, 720P @ 25/30fps</p> <p>AHD Camera Input 5 MP (2560 × 1944) @ 20 fps, 4 MP (2560 × 1440) @ 25/30 fps, 1080P @ 25/30 fps, 720P @ 25/30 fps</p> <p>HDCVI Camera Input 8 MP (3840 × 2160) @ 12/15 fps, 3K (2880×1620) @ 25fps, 5 MP(2592 × 1944) @ 20 fps, 4 MP (2560 × 1440) @ 25/30 fps, 1080P @ 25/30 fps, 720P @ 25/30 fps</p>
<p>CVBS Input</p>	<p>PAL/NTSC</p>
<p>CVBS Output</p>	<p>1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480</p>
<p>HDMI Output</p>	<p>1-ch, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz</p>
<p>VGA Output</p>	<p>1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz</p>
<p>Video Output Mode</p>	<p>HDMI/VGA simultaneous output</p>
<p>Audio Input</p>	<p>1-ch (up to 8-ch is optional), RCA (2.0 Vp-p, 1 KΩ), 8-ch via coaxial cable</p>
<p>Audio Output</p>	<p>1-ch, RCA (Linear, 1 KΩ)</p>
<p>Two-Way Audio</p>	<p>1-ch, RCA (2.0 Vp-p, 1 KΩ) (using the first audio input)</p>
<p>Synchronous Playback</p>	<p>16-ch</p>
<p>Recording</p>	
<p>Video Compression</p>	<p>H.265 Pro+/H.265 Pro/H.265/H.264+/H.264</p>
<p>Encoding Resolution</p>	<p>8MP/5MP/3K/4MP/3MP/1080p/720p/WD1/4CIF/VGA/CIF</p>

Encoding Frame Rate	<p>Main stream:</p> <ul style="list-style-type: none"> 8 MP @ 8 fps; 8 MP lite @15 fps; 3K @ 12 fps; 5 MP @ 12 fps; 4 MP @ 15 fps; 3 MP @18 fps; 1080p/720p/WD1/4CIF/VGA/CIF @ 25 fps (P)/30 fps (N) <p>Sub-stream:</p> <ul style="list-style-type: none"> WD1/4CIF/CIF@25 fps (P)/30 fps (N)
Video Bit Rate	32 Kbps to 10 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, Hik-Connect, DNS, DDNS, NTP, SADP, NFS, iSCSI, UPnP™, HTTPS, ONVIF
Network Interface	1, RJ45 10/100 Mbps self-adaptive Ethernet 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, 5 A
Consumption	≤ 60 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	≤ 2.1 kg (4.6 lb)

Physical Interface



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